NORTH POTOMAC YARD

PUBLIC REALM

STREETSCAPE, OPEN SPACE, SIGNAGE, SUSTAINABILITY

PYDACJULY 16, 2020

ELKUS MANFREDI

Agenda

- Streetscape Design & Common Area Elements
- Open Space Design
- Building Signage & Wayfinding
- Sustainability
- Next Steps

COMPOSITE MASSING



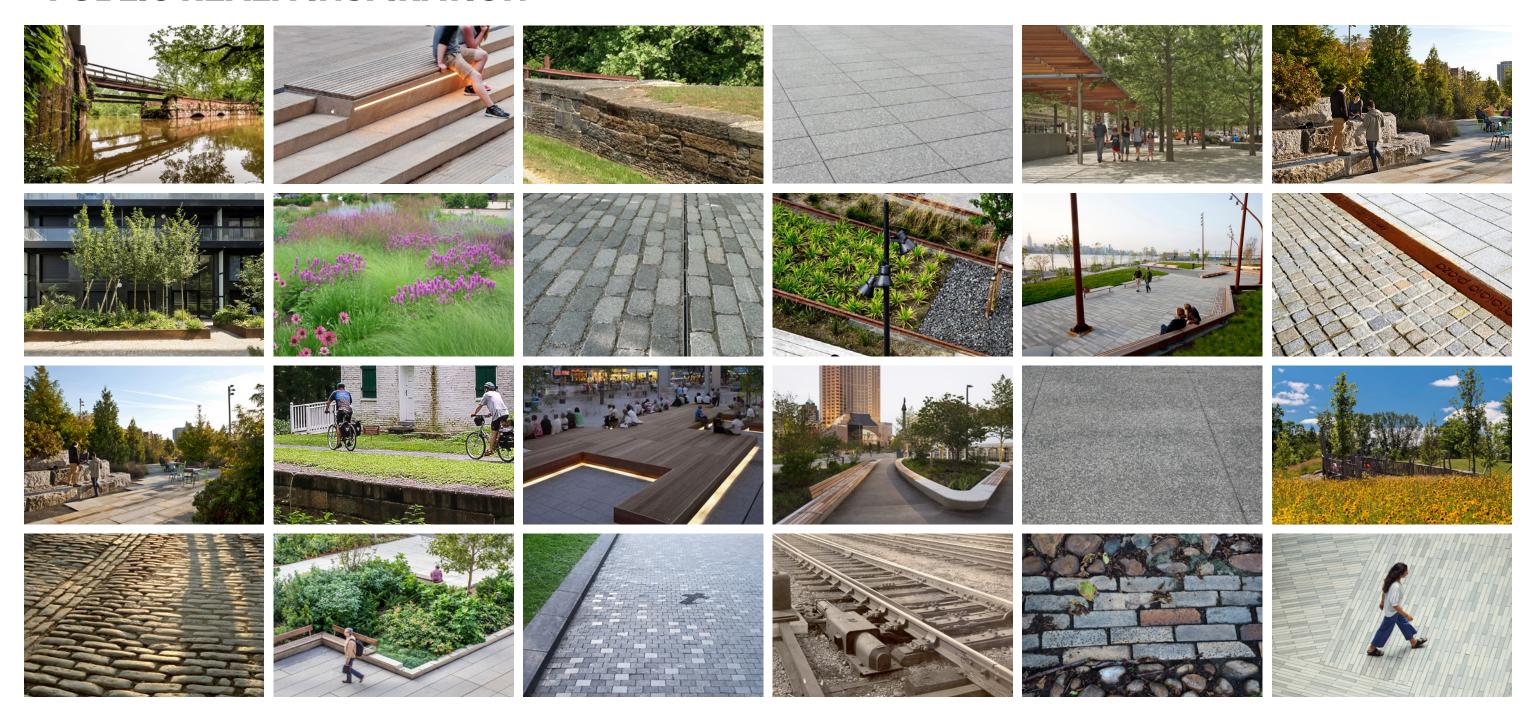
COMPOSITE MASSING



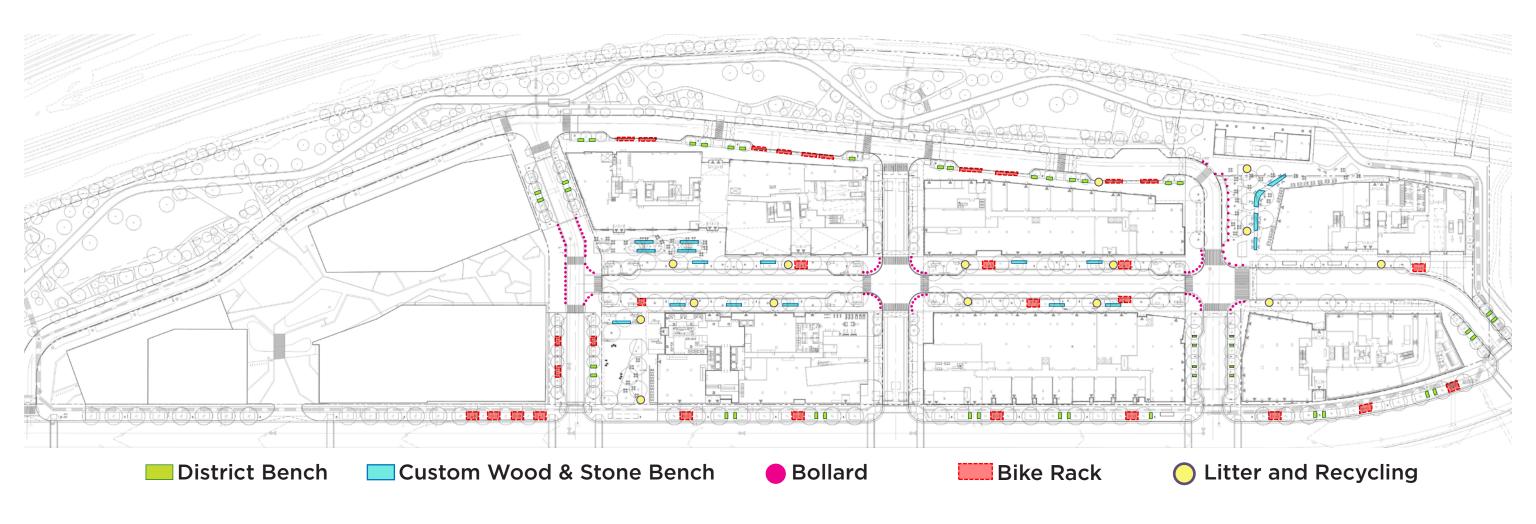
Streetscape Design & Common Area Elements



PUBLIC REALM INSPIRATION



SITE FURNISHING



DISTRICT BENCH









District Bench

mmcite

woody

color: tbd

STANDARD FURNISHINGS



Bike Rack mmcite

lotlimit

color: tbd



Bollard

hess

toro

color: tbd



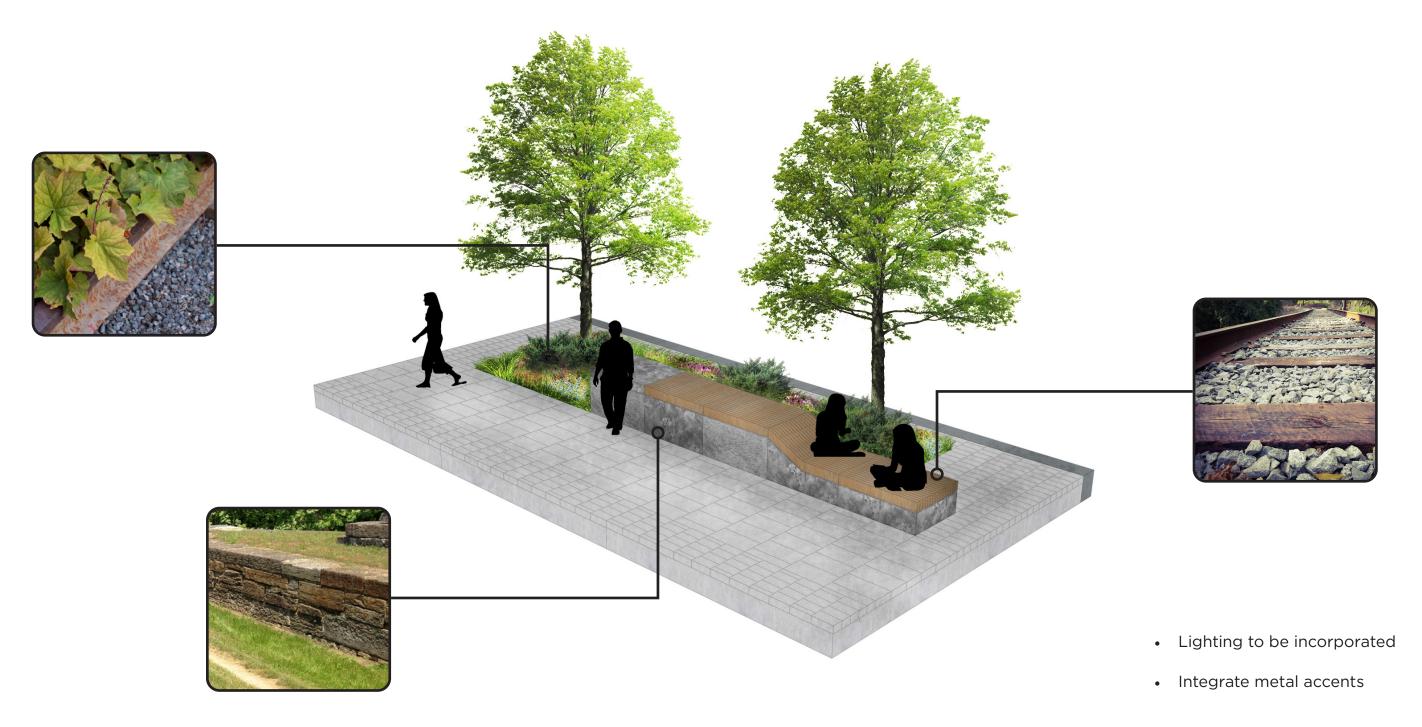
Litter and Recycling Receptacles

id created

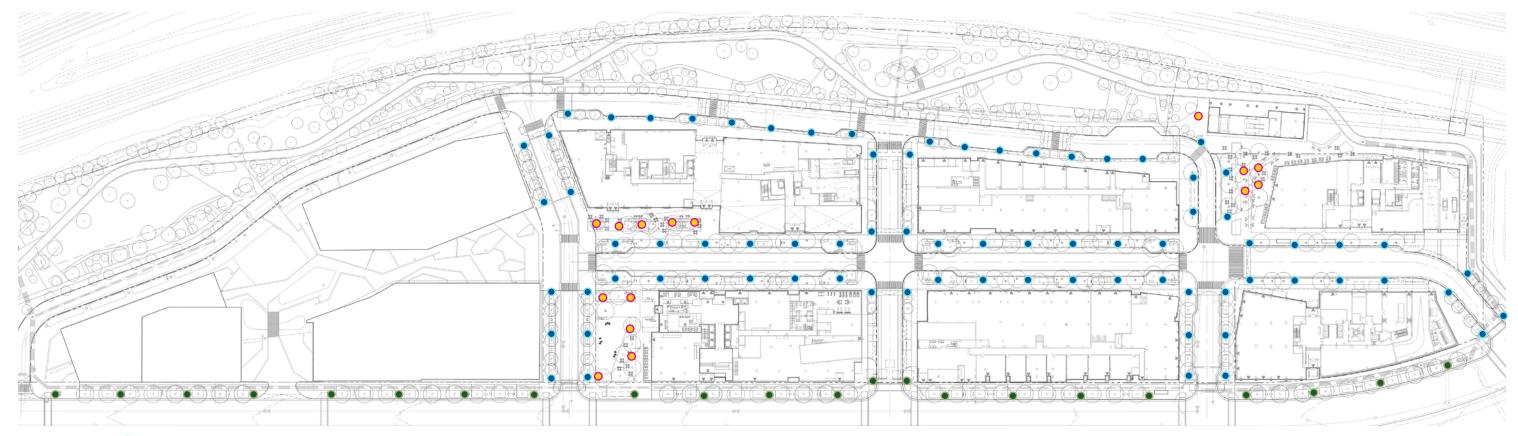
box

color: tbd

CUSTOM STONE AND WOOD BENCH



SITE LIGHTING



- District Street Light
- Potomac Ave Street Light
- OPole Mounted Flood Light

DISTRICT LIGHTING - STREETSCAPE LIGHTING



District Street Light bega 77 025

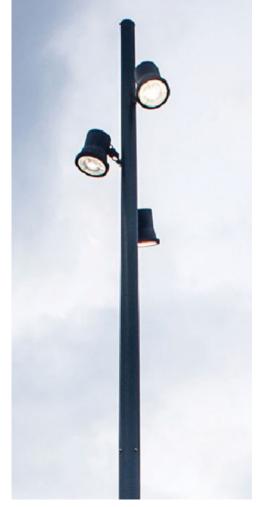
16'-0" mounting height



Potomac Ave Street Light bega 99 599

25'-0" mounting height

DISTRICT LIGHTING - PLAZA LIGHTS



Pole Mounted Flood Light bega 77 797

20'-0" mounting height







ALEXANDRIA HISTORIC STREETS













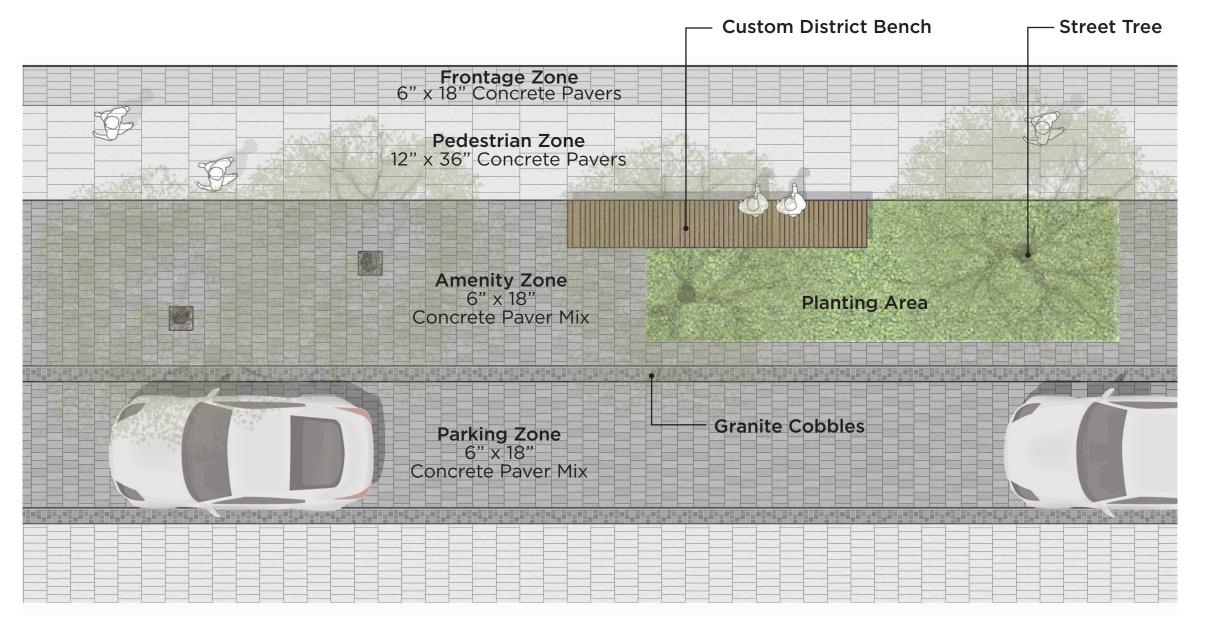
STREETSCAPE MATERIALS

- Concrete pavers that give look of granite precedent
- cobble strips to define parking and drive lanes

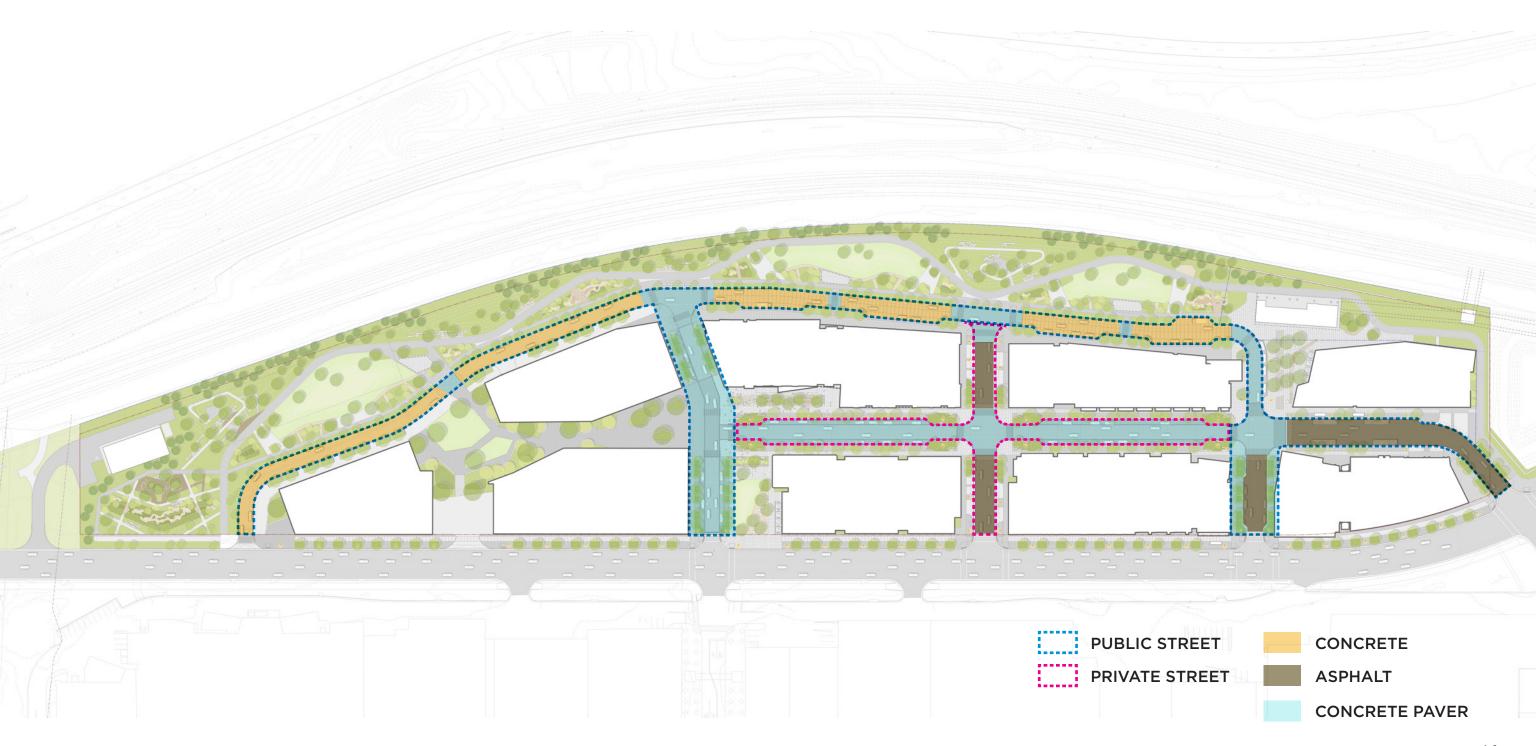








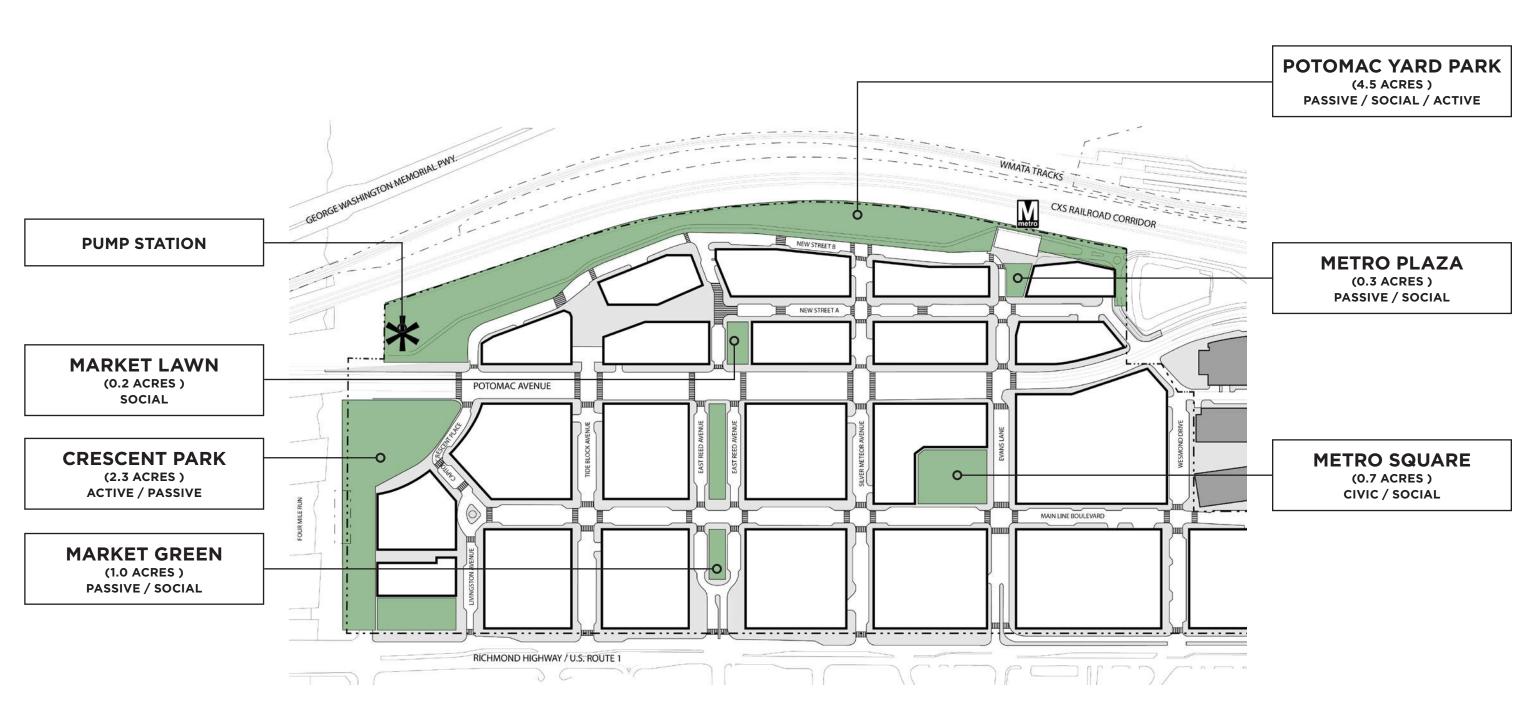
STREET MATERIALITY



NORTH POTOMAC YARD Open Space Design



COMPREHENSIVE OPEN SPACE PLAN



COMPREHENSIVE OPEN SPACE PLAN

PUMP STATION

MARKET LAWN
(0.2 ACRES)

SEASONAL POP-UPS
• EXPANDABLE INTO

• FLEXIBLE LAWN

STREET

MARKET AREA /

MOVABLE SEATING

PUBLIC ART

MAIN LINE BOULEVARD RICHMOND HIGHWAY / U.S. ROUTE 1

POTOMAC YARD PARK

(4.5 ACRES)
PASSIVE / SOCIAL

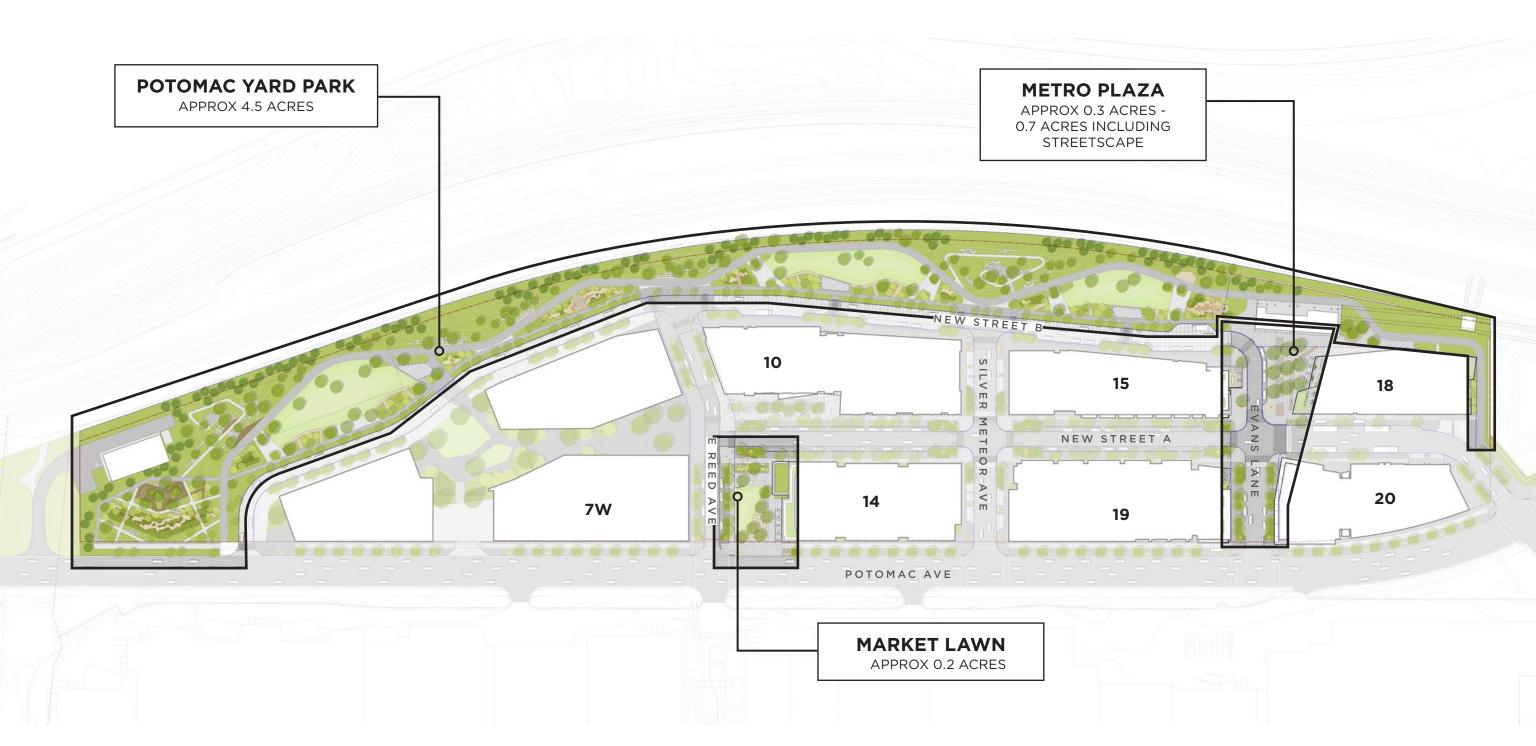
- OPEN LAWN AREAS
- FLEXIBLE GATHERING SPACES
- PASSIVE NATURE
- PET RELIEF SPACE
- FITNESS STATION
- SCREEN MOUNDS / PLANTING
- SHADE STRUCTURES
- DRY CREEK FEATURES

METRO PLAZA

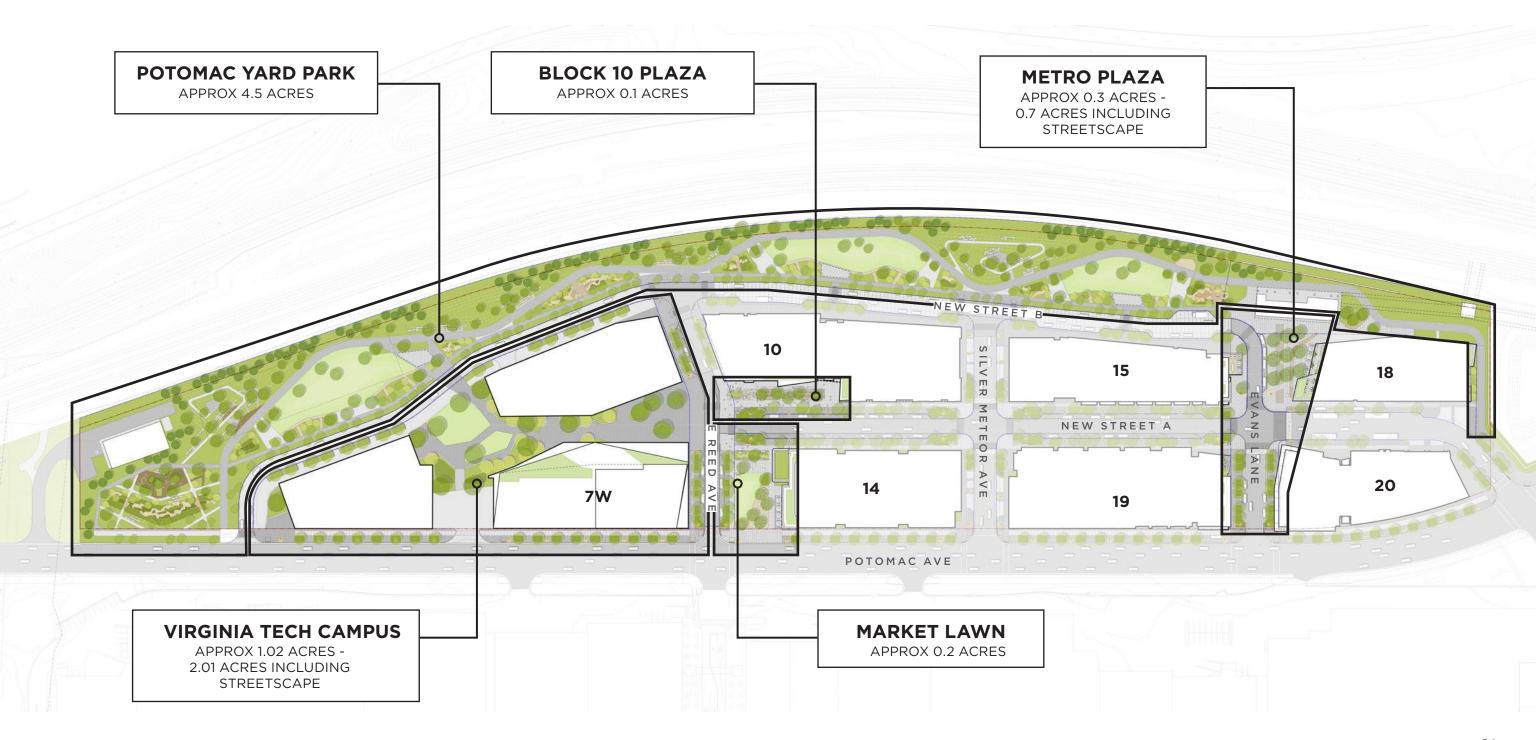
(0.3 ACRES)
PASSIVE / SOCIAL

- TRANSIT INFORMATION
- PLANTERS WITH SEAT WALLS
- PUBLIC ART
- MOVABLE FURNITURE
- POTENTIAL RETAIL KIOSKS
- KISS + RIDE

OPEN SPACE



OPEN SPACE

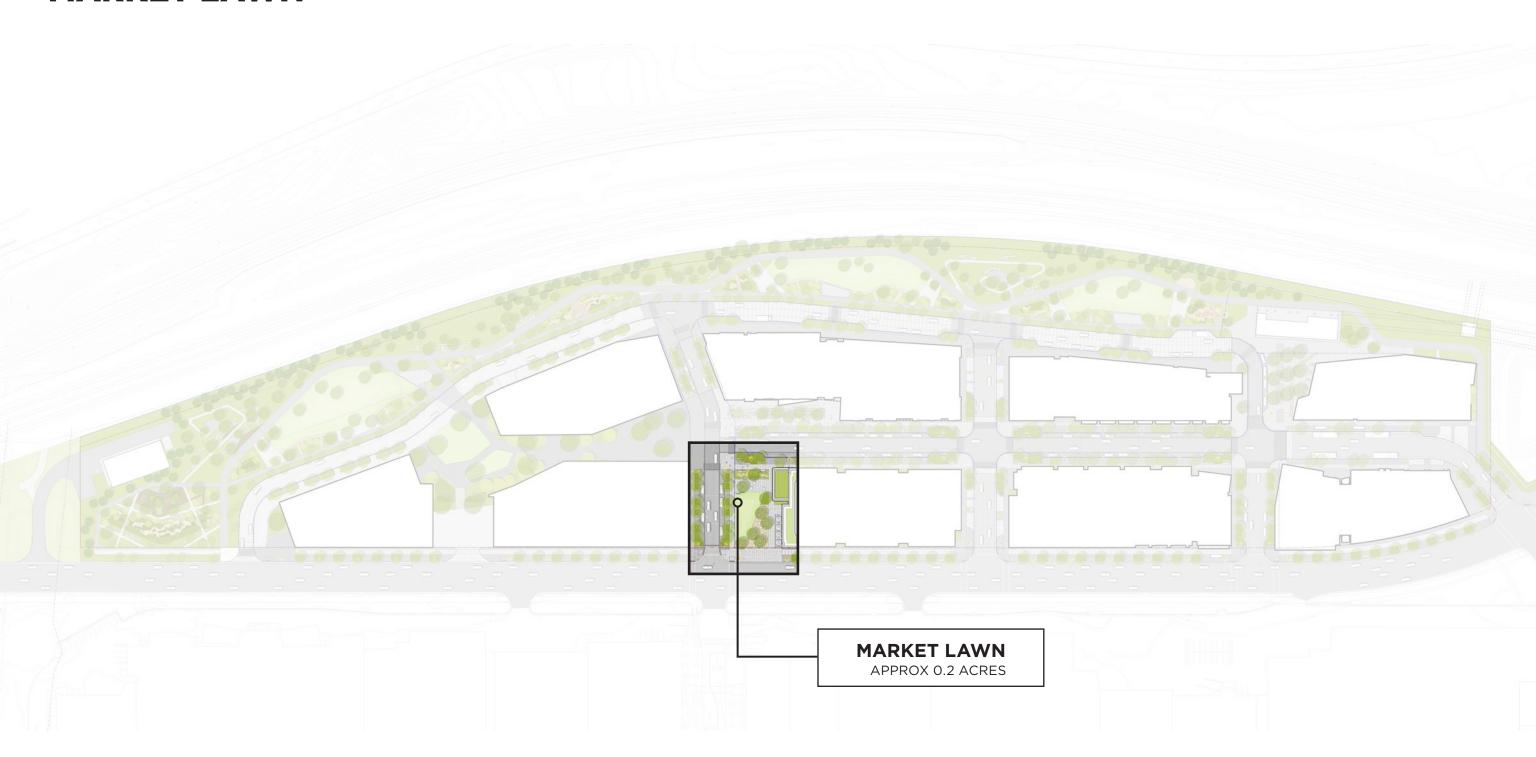


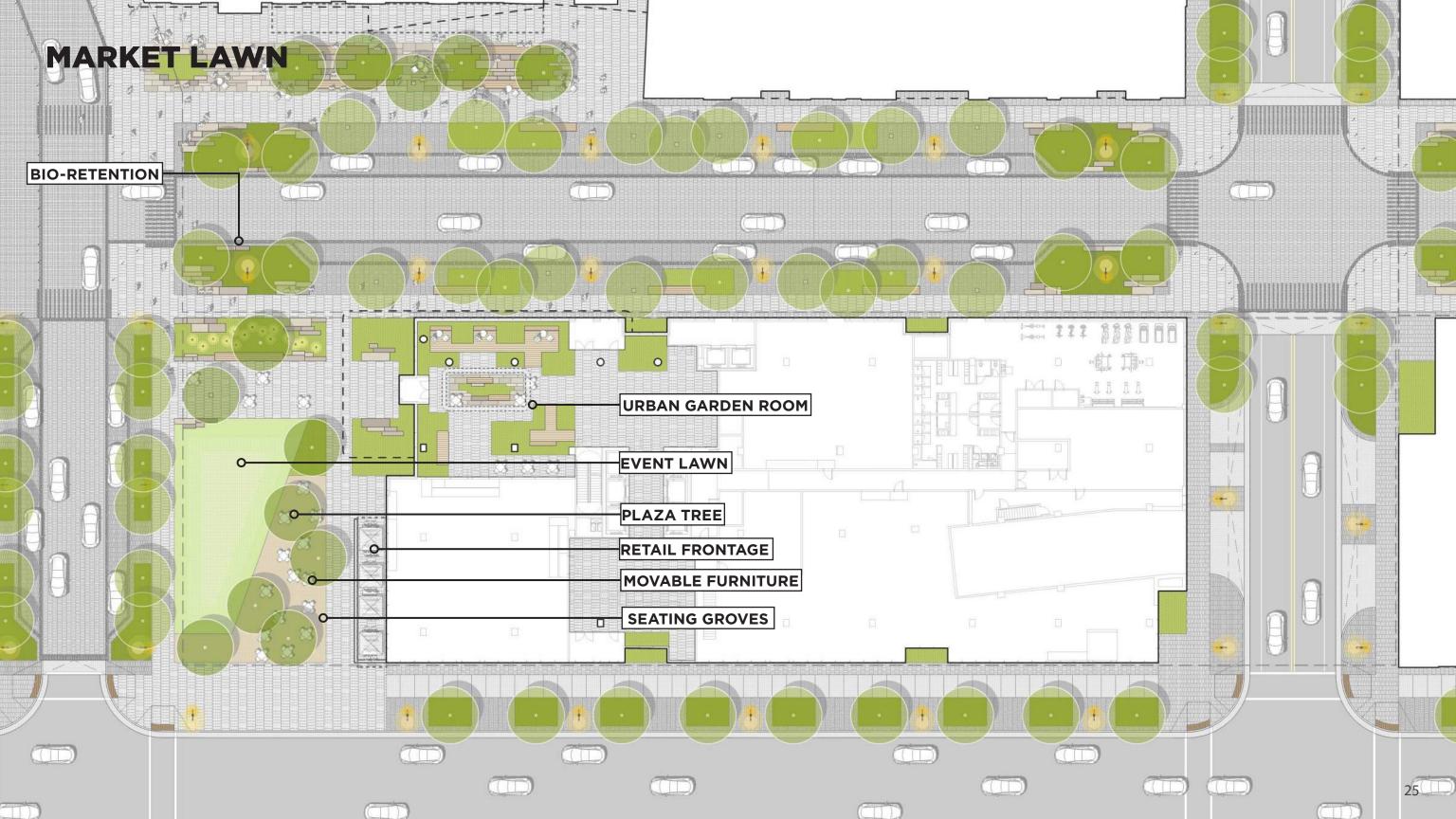
OPEN SPACES WITH ABOVE-GRADE OPEN SPACE

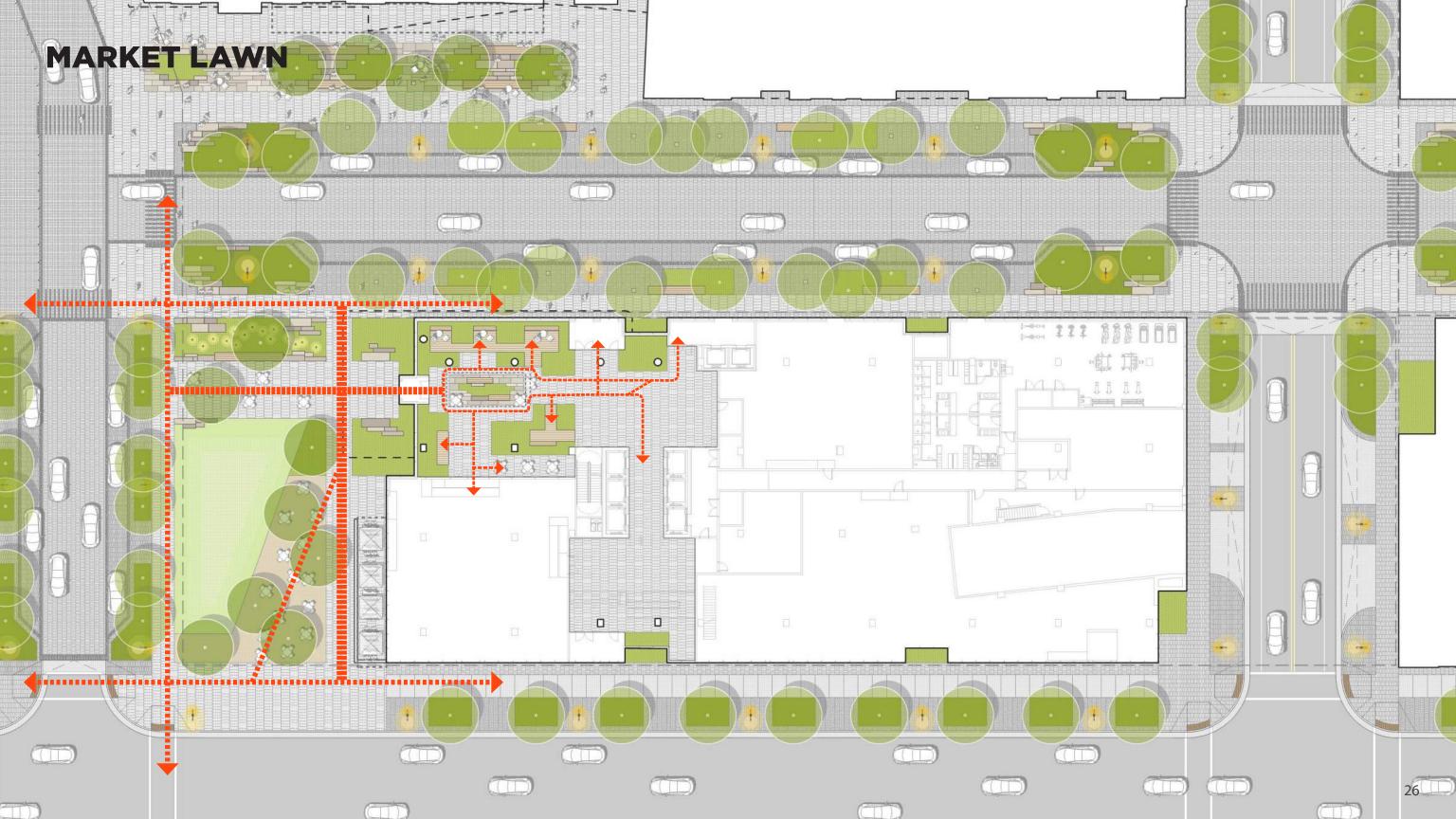


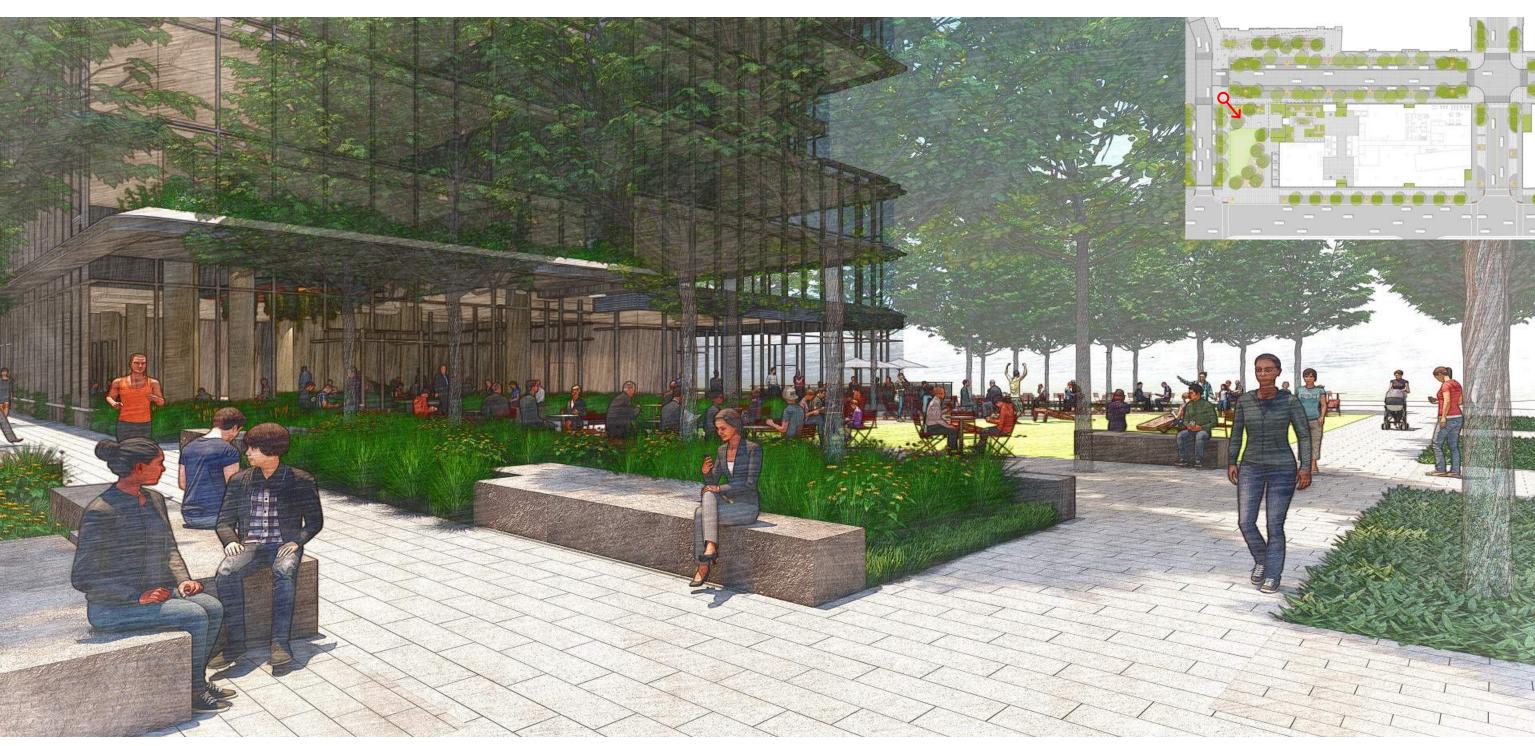
Market Lawn

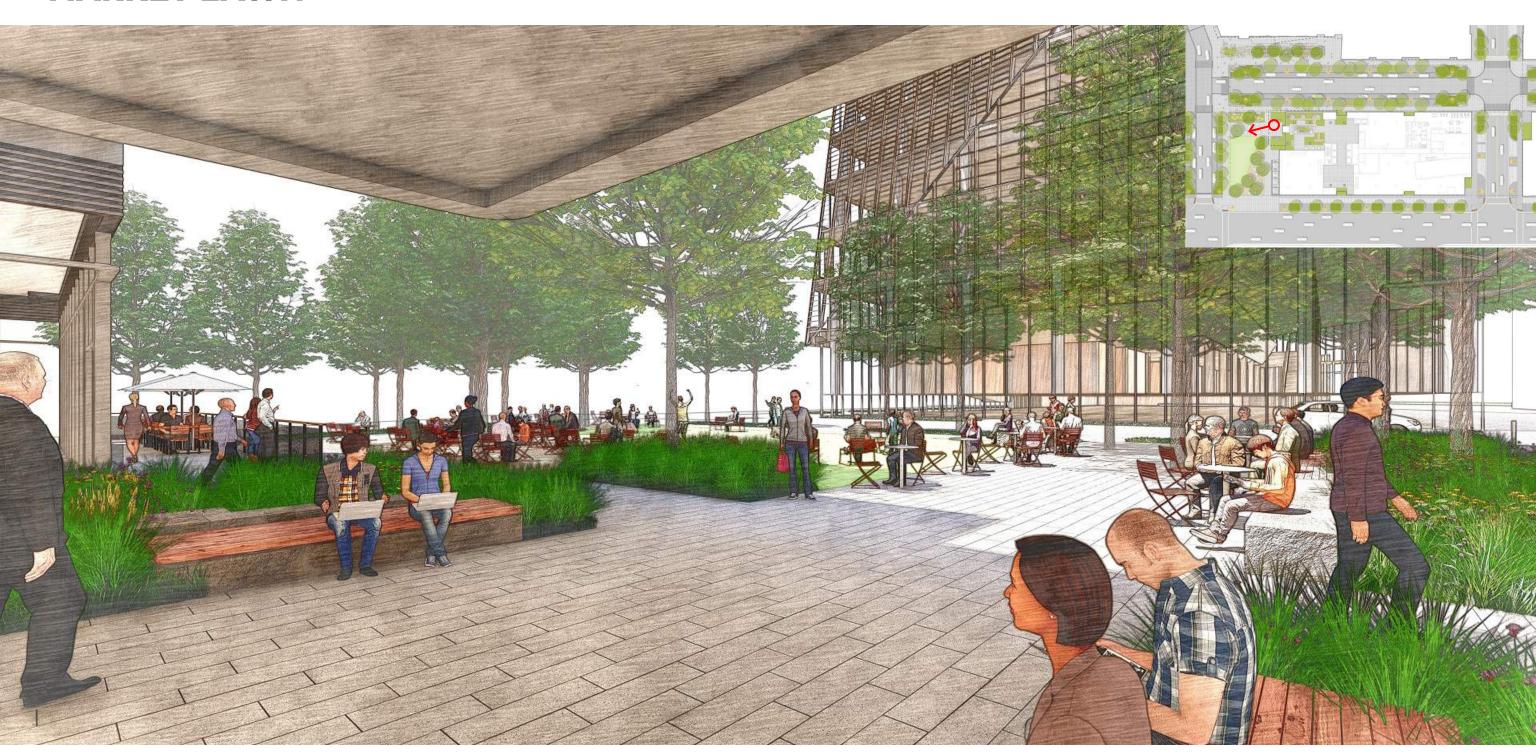








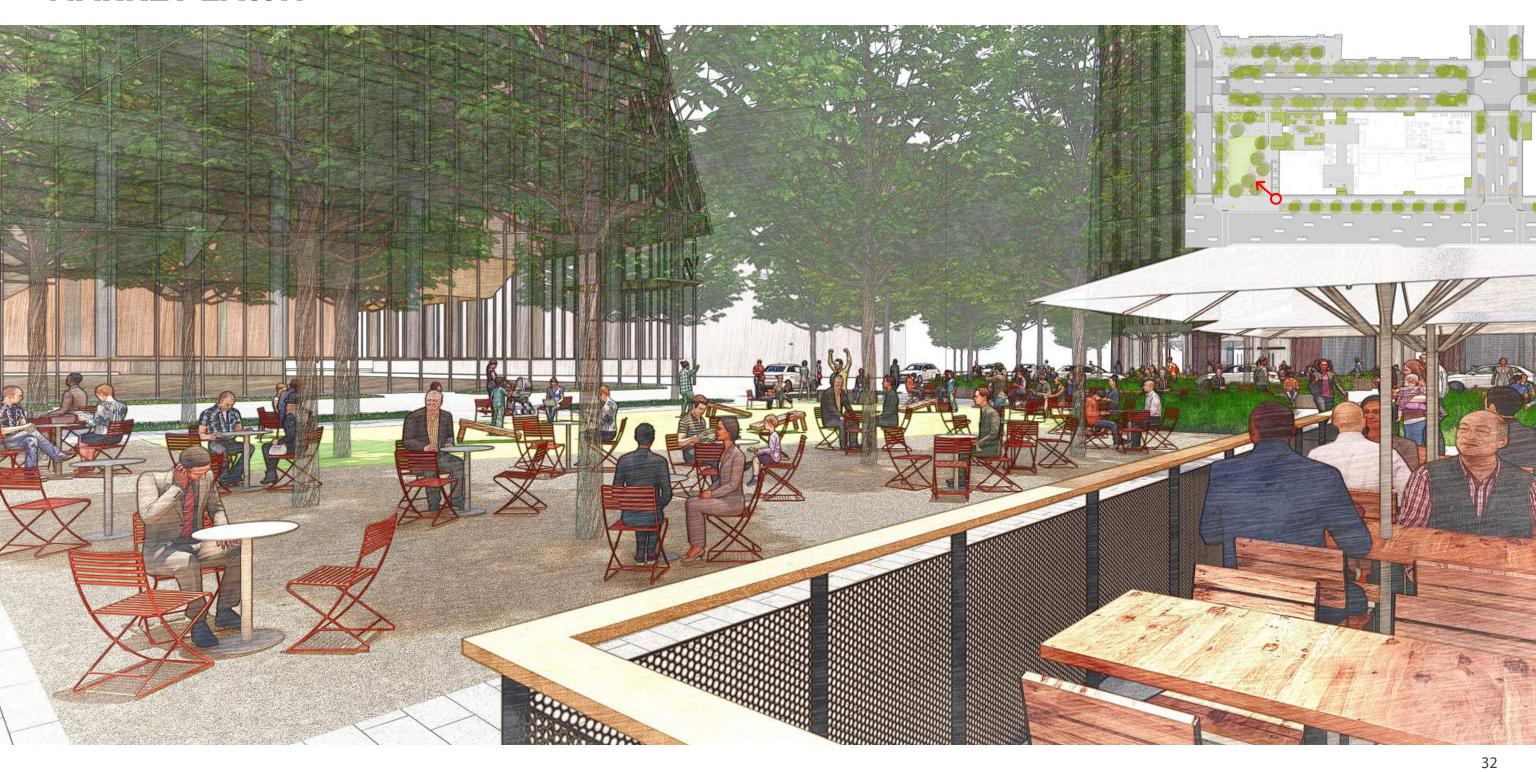












URBAN GARDEN ROOM











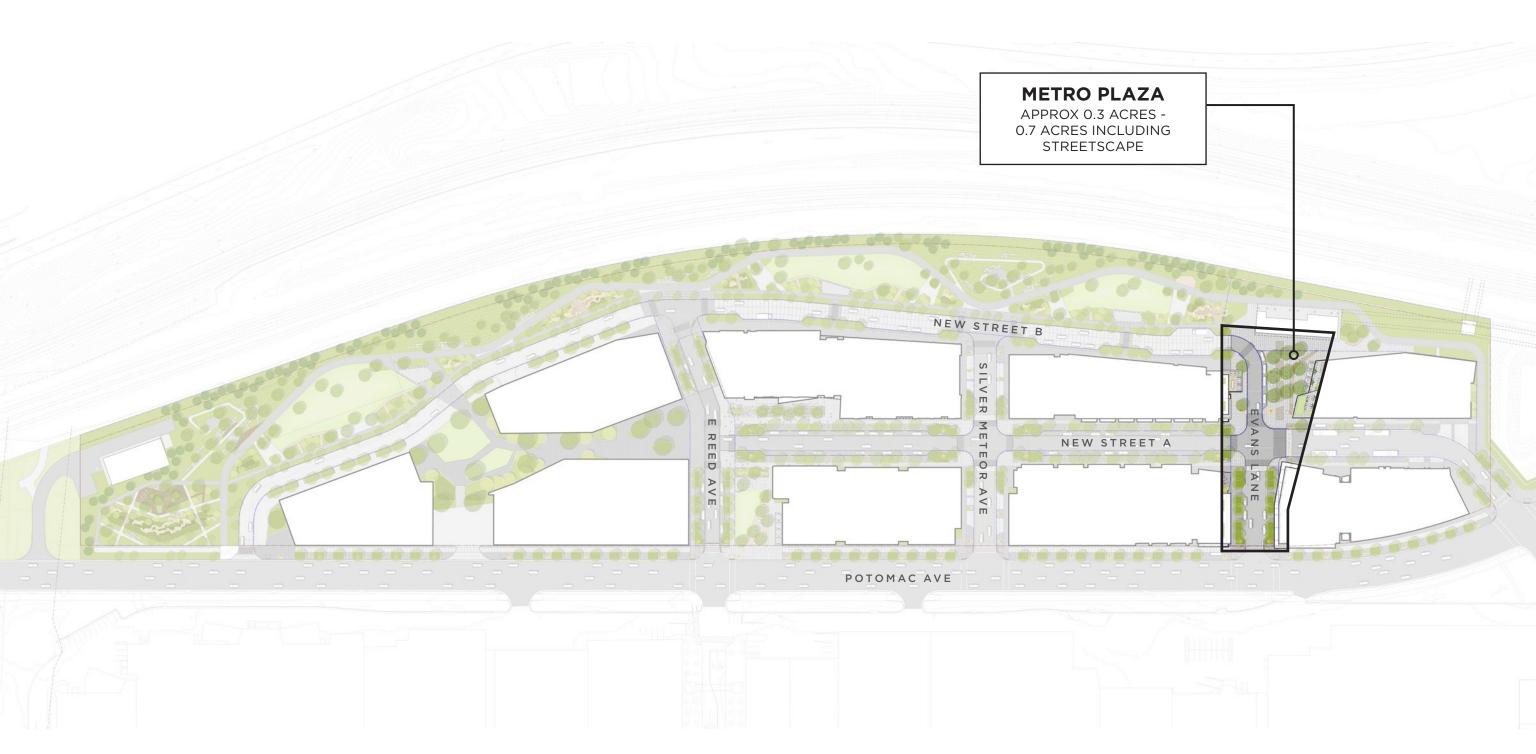


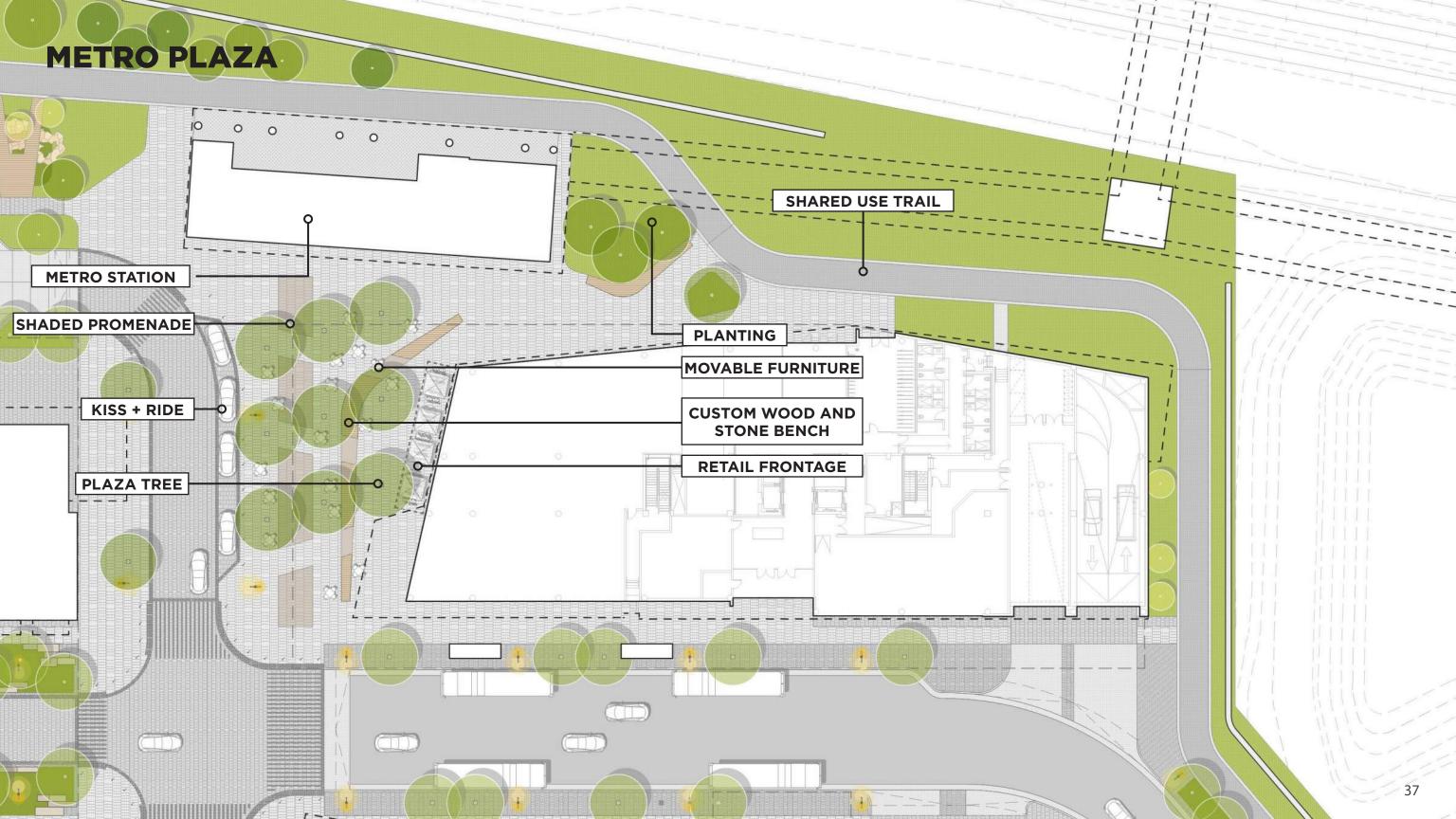


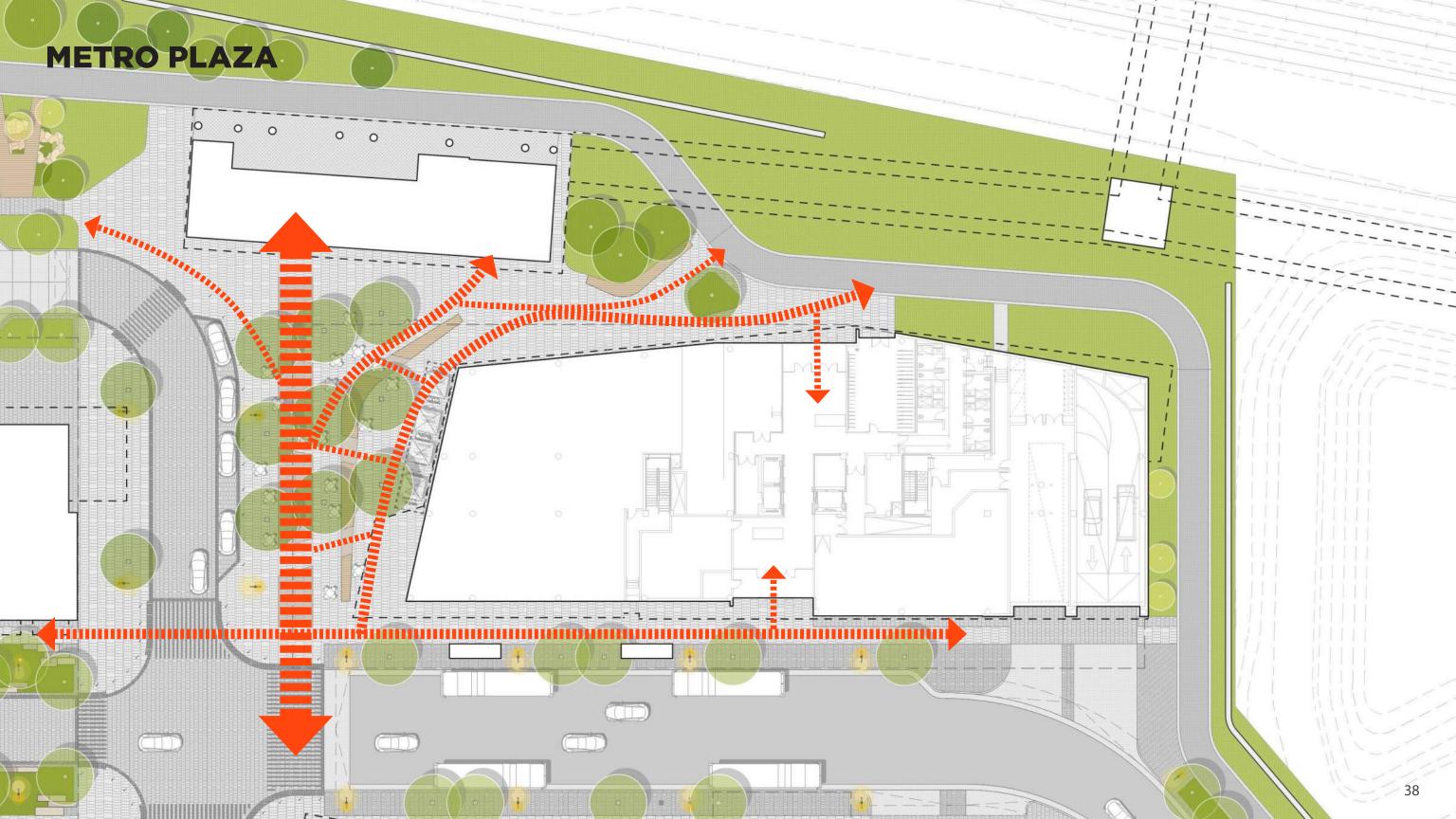
Metro Plaza Update



METRO PLAZA





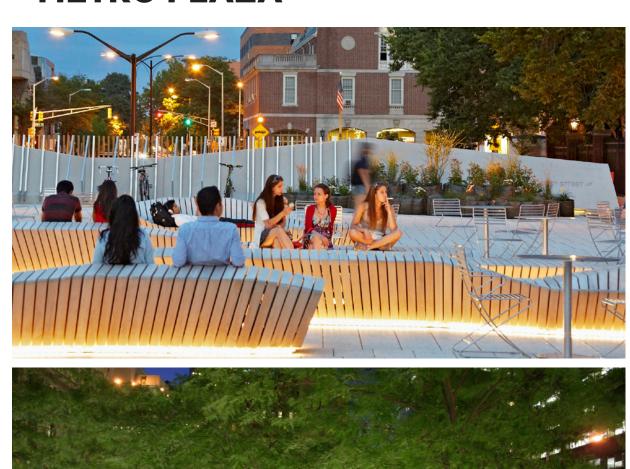


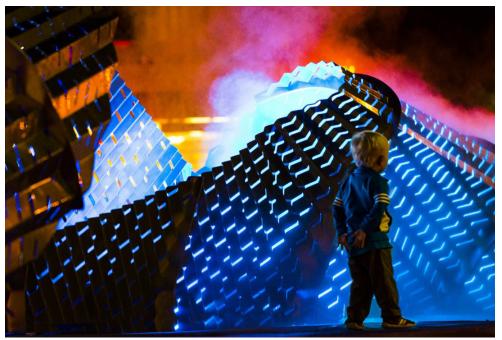




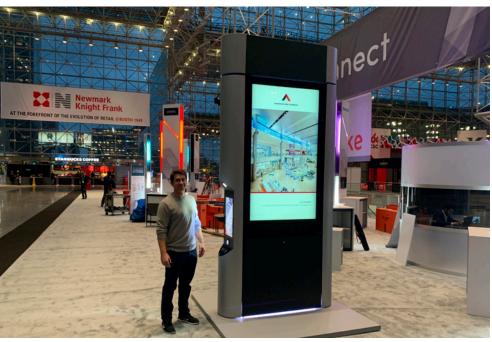










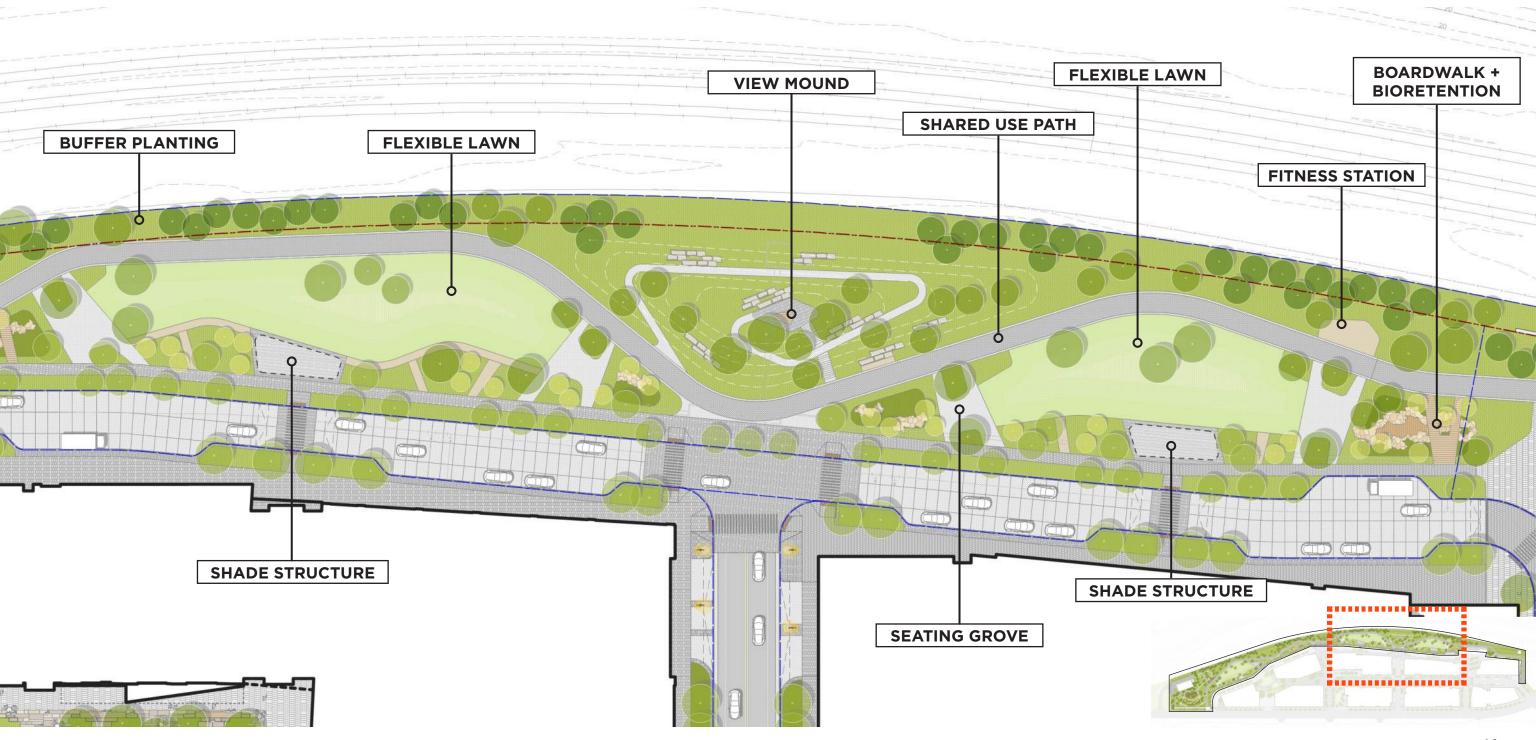


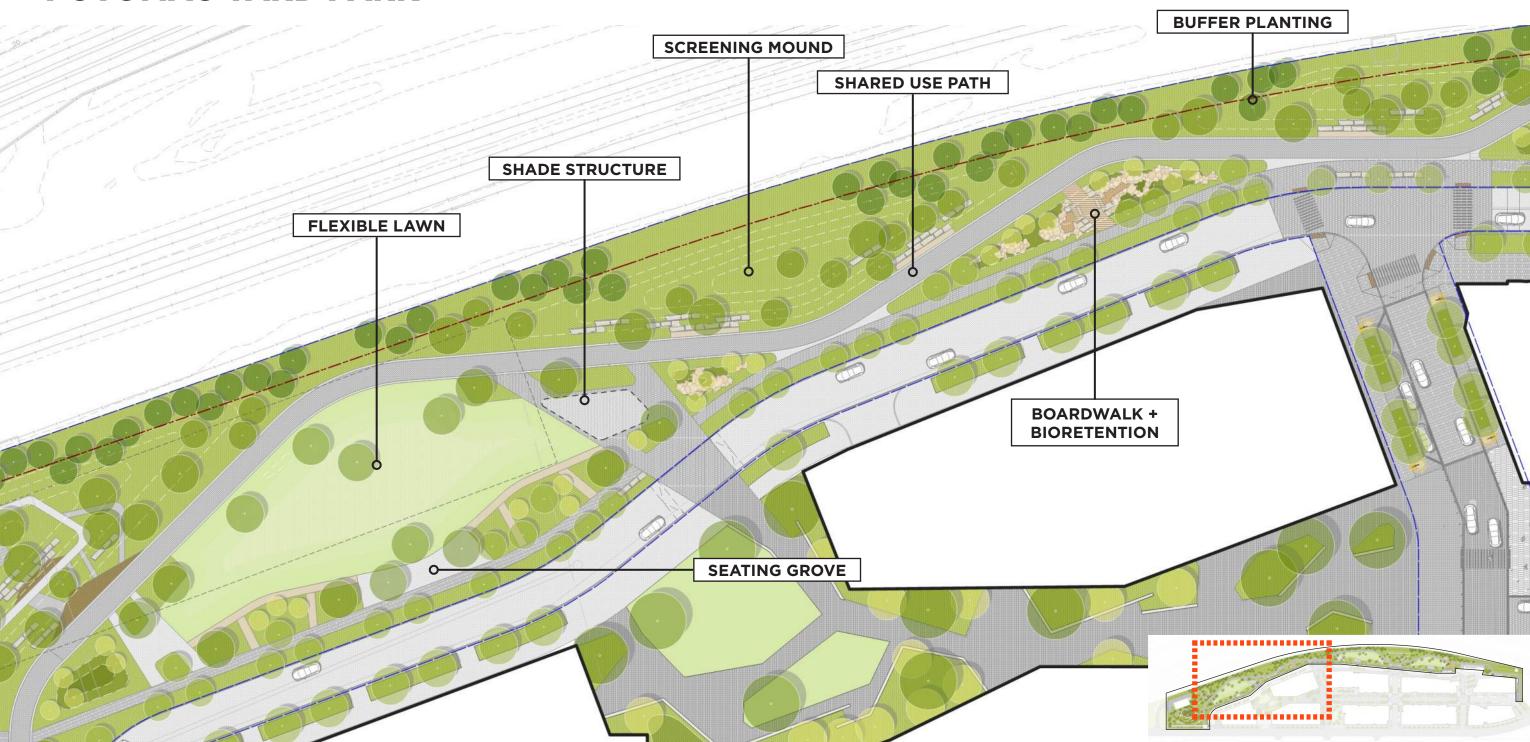


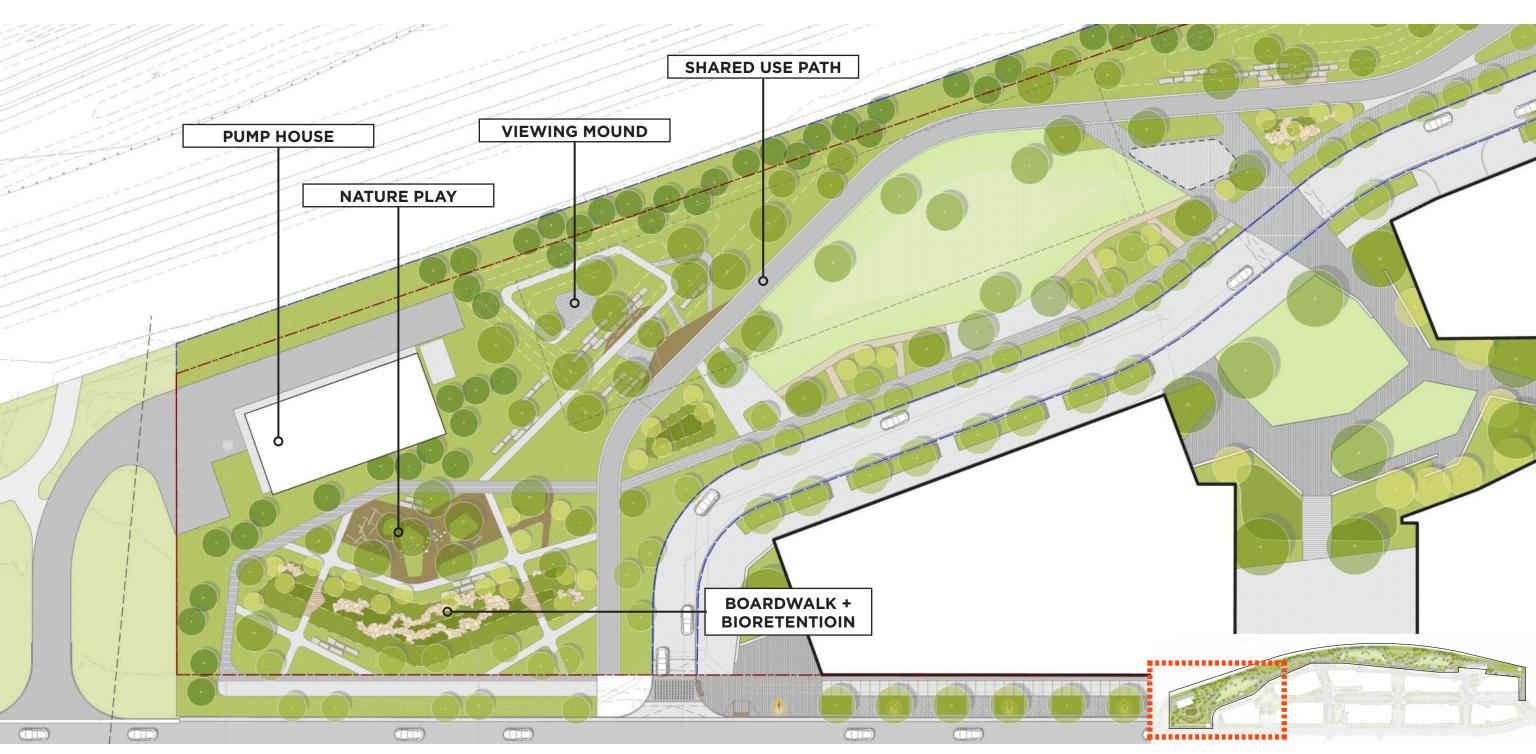
Potomac Yard Park











PROGRAM SPACES













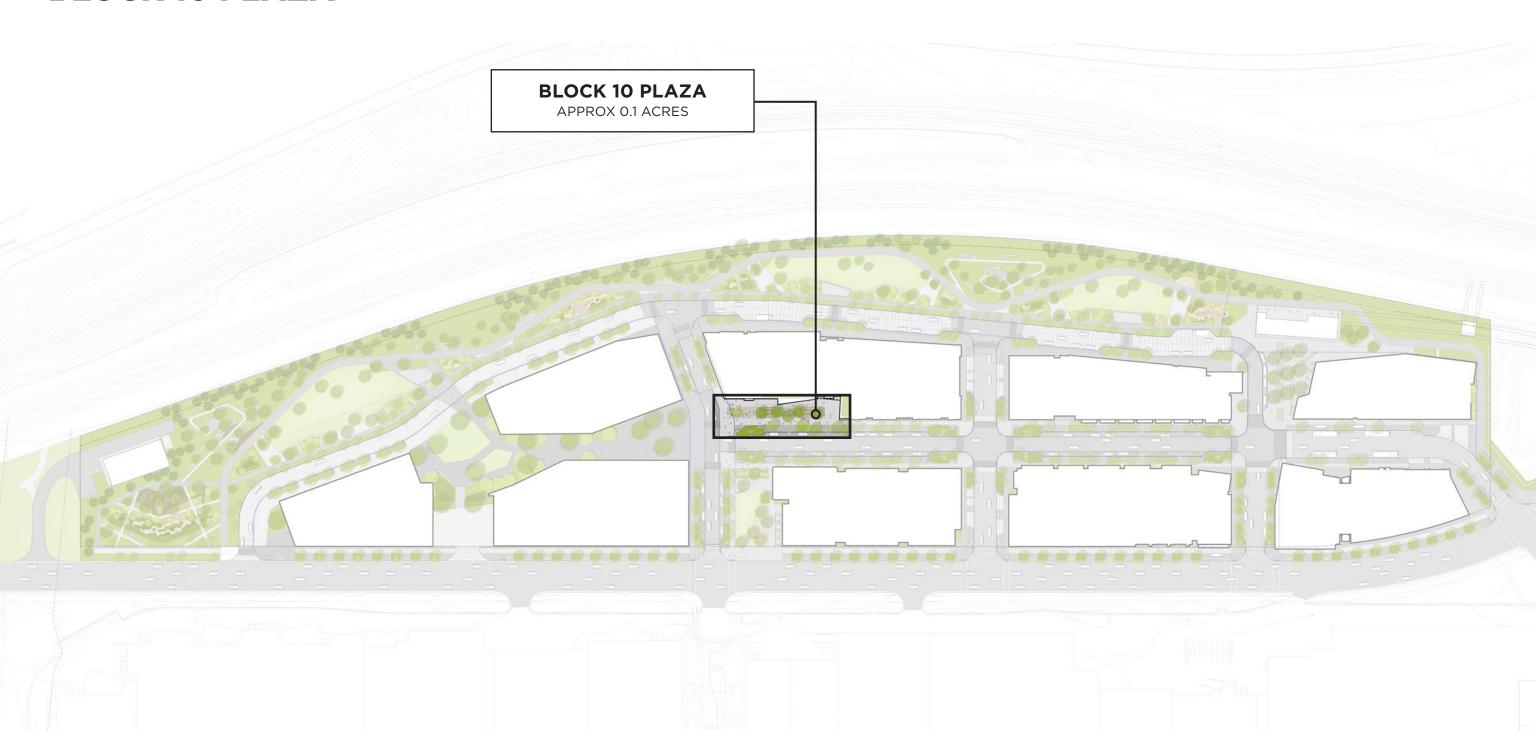


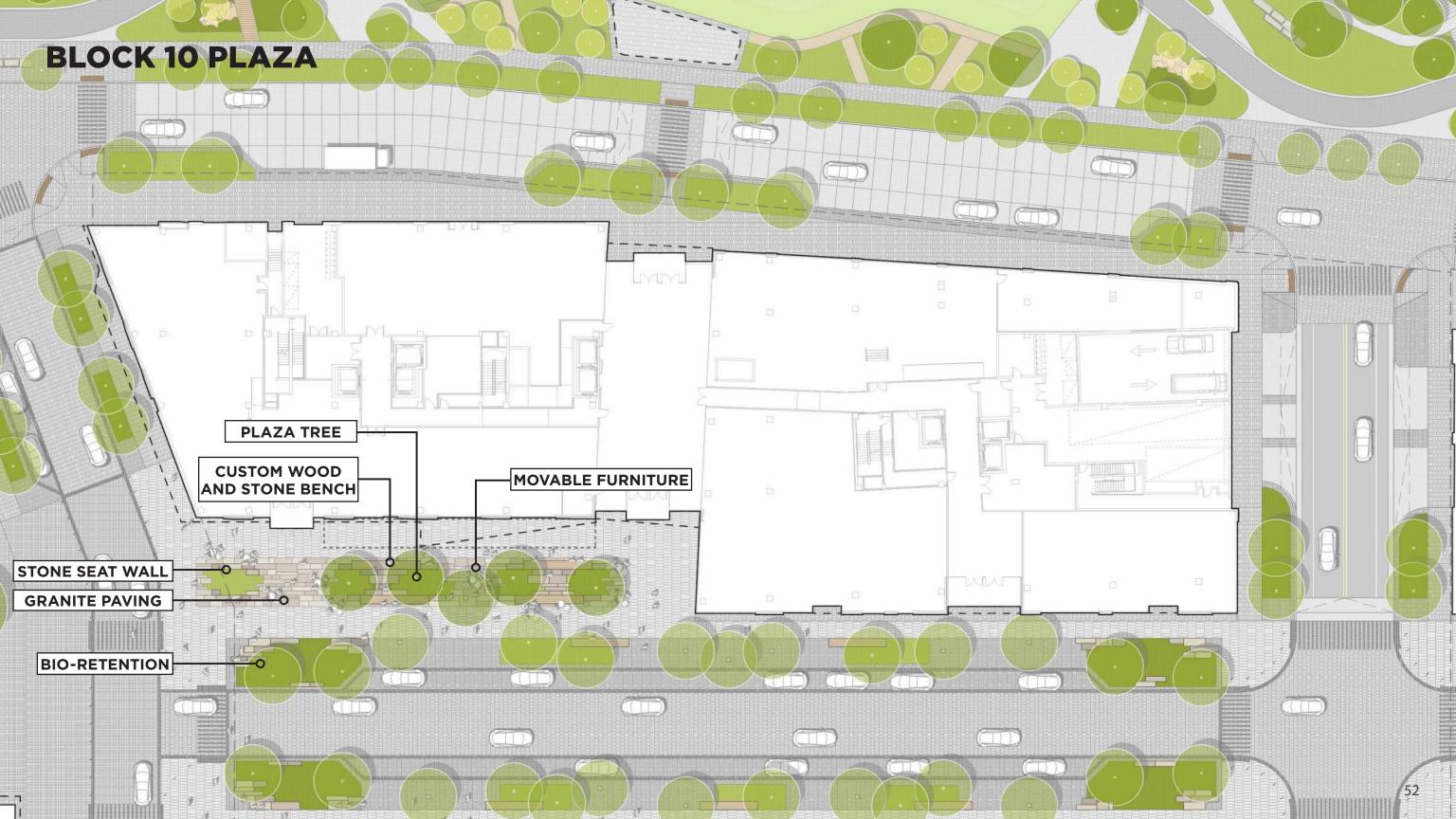


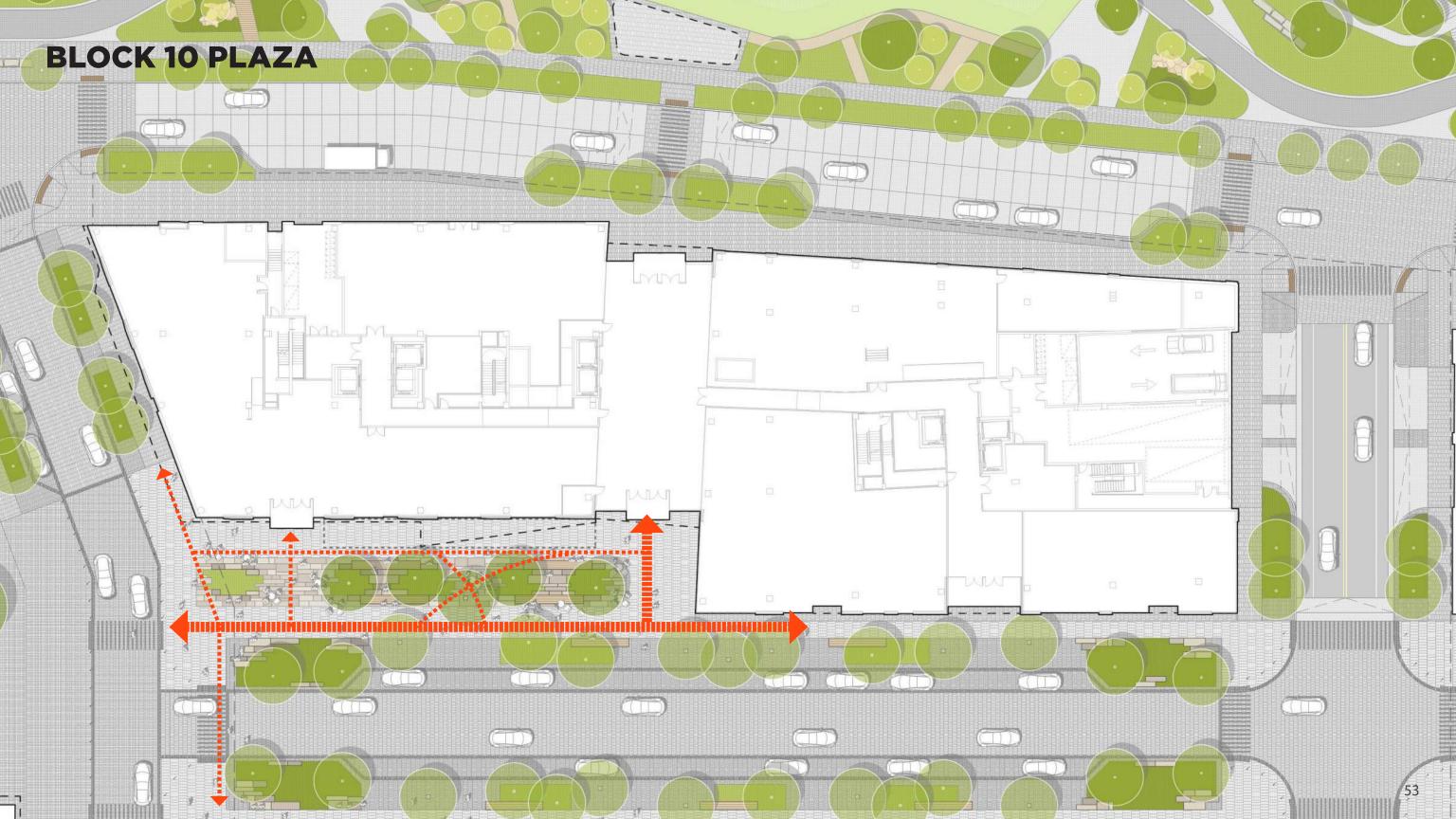
Block 10 Plaza



BLOCK 10 PLAZA



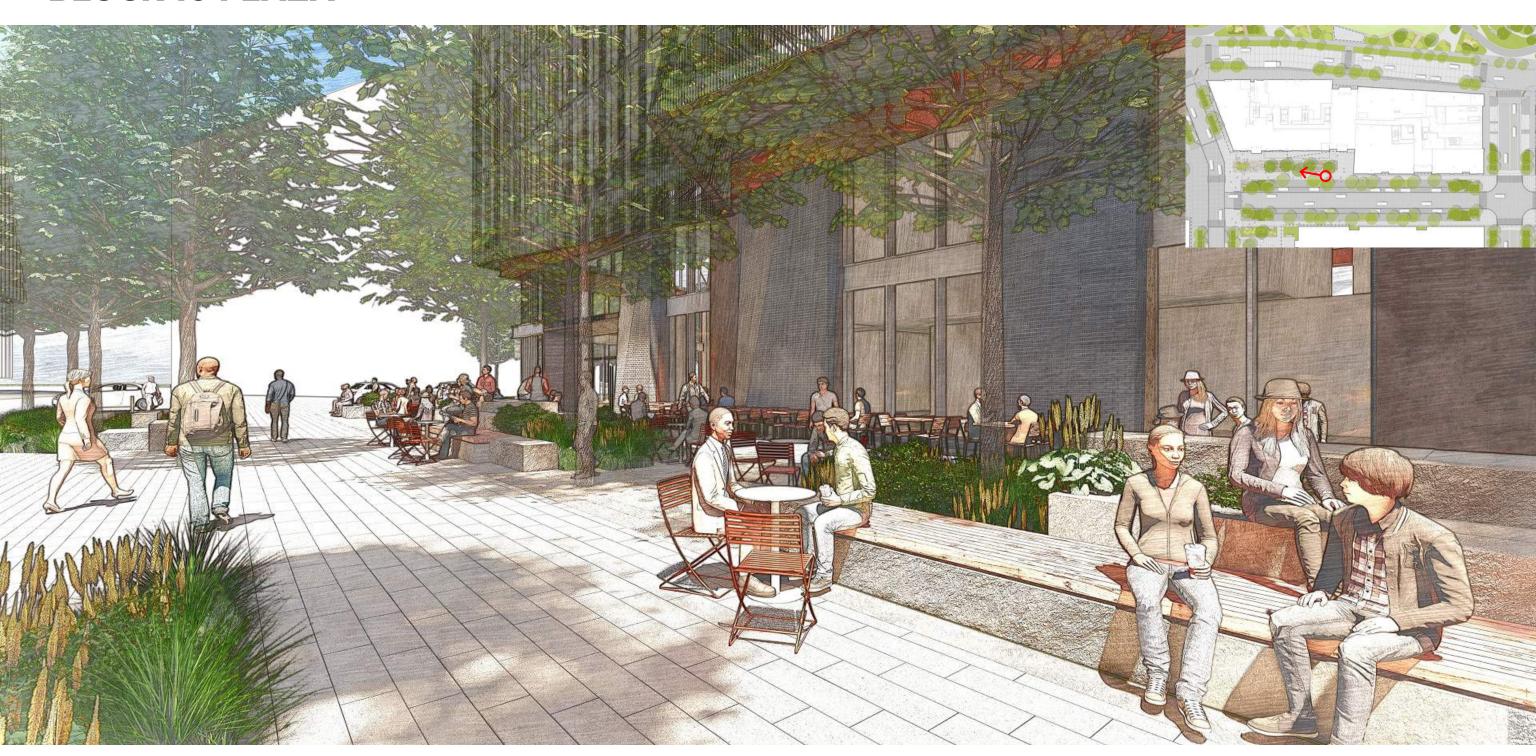




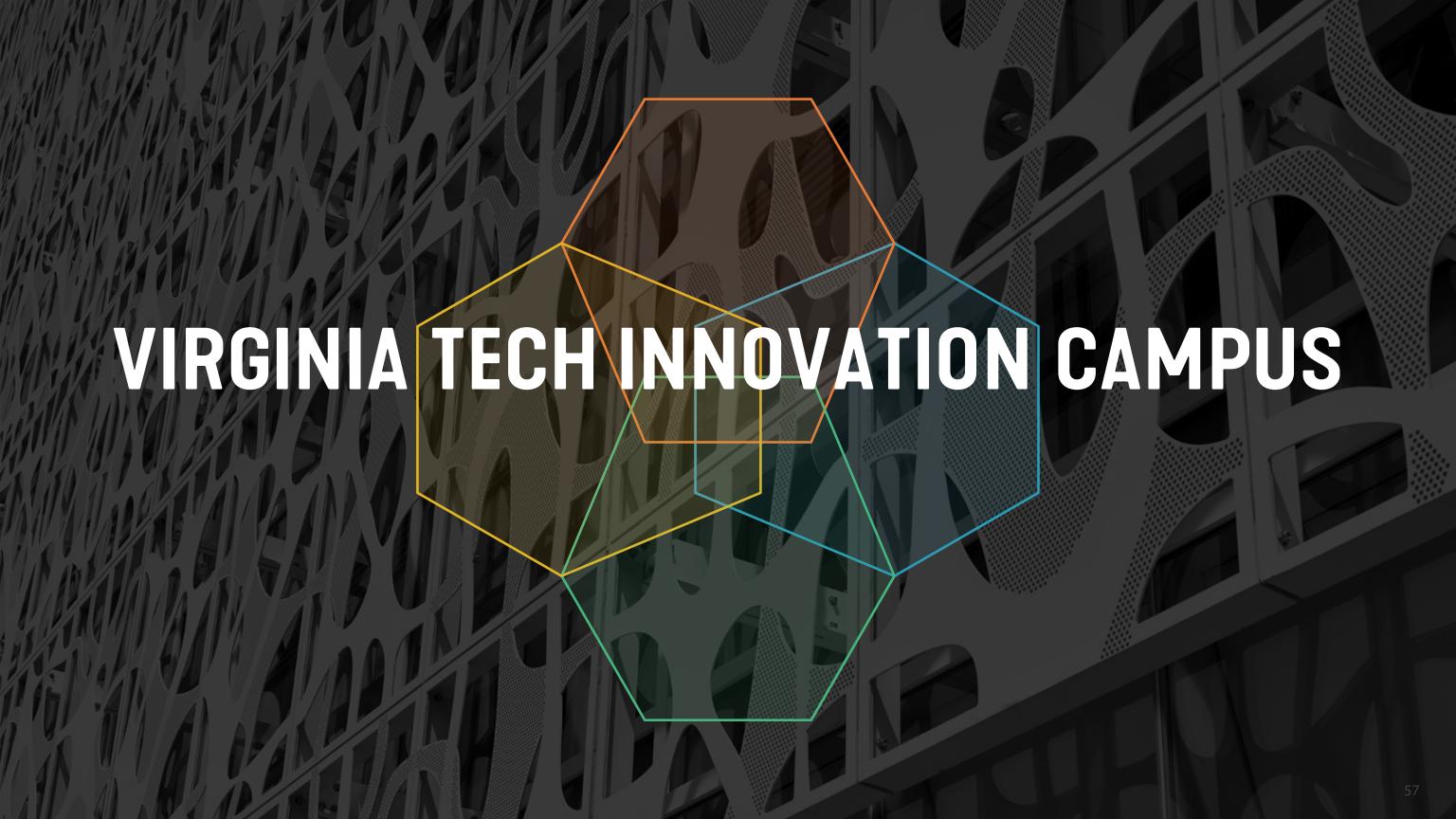
BLOCK 10 PLAZA



BLOCK 10 PLAZA







SITE PLAN INTERIM CONDITION BUILDING I ACADEMIC BUILDING AREA: **PLANTER** LAWN 300,000 SF COLORED CONCRETE **PAVERS** BUILDING HEIGHT: SURFACE CONCRETE PARKING **ASPHALT** 72 cars PERMEABLE PAVERS Unit Pavers on Aggregate Base SEATWALL 120' 180' **CURB BOLLARD** REMOVABLE BOLLARD Raised Plaza Lawn Unit Pavers on CI Aggregate Base Tinted Concrete Pavement Digital Courtyard Green Roof Green Roof SURFACE PARKING **BUILDING 7W** Hokie Stone w/ Bridge Seatwalls FFE +/- 33.0 Ramp to Screening -Commission **NORTH POTOMAC AVE** 140

SITE PLAN **FULL BUILD OUT** BUILDING I ACADEMIC BUILDING AREA: PLANTER LAWN 300,000 SF COLORED CONCRETE **PAVERS** BUILDING HEIGHT: CONCRETE **INNOVATION CENTER BUILDING 7E ASPHALT** FFE +/- 33.0 PERMEABLE PAVERS Raised SEATWALL 120' 180' Plaza **CURB** BOLLARD Hokie Stone Bollards Planters w/ Granite Seatwalls or Precast Curbs REMOVABLE BOLLARD Campus Green 1+30.0 Pavers +32.5 Digital Courtyard +/- 29.5 Green Roof Sculpture Green Roof Bioretention w/ Bridge **BUILDING 7W BUILDING 4** FFE +/- 33.0 -Cities NORTH POTOMAC AVE

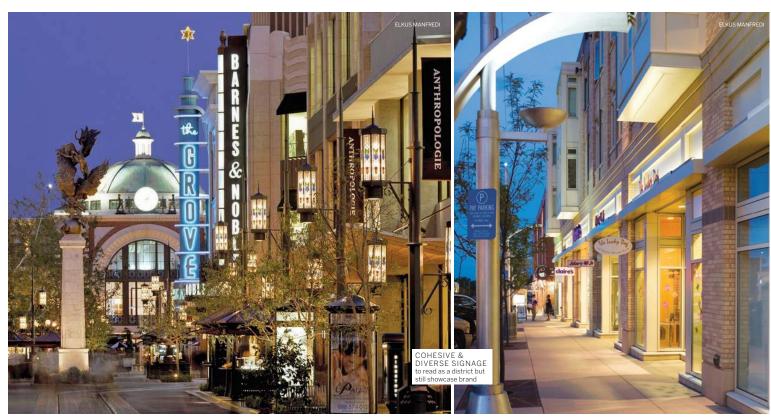


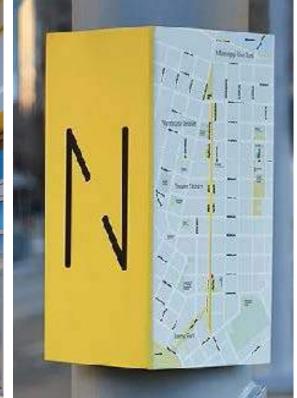




NORTH POTOMAC YARD Building Signage & Wayfinding

diverse cohesive unique integrated creative



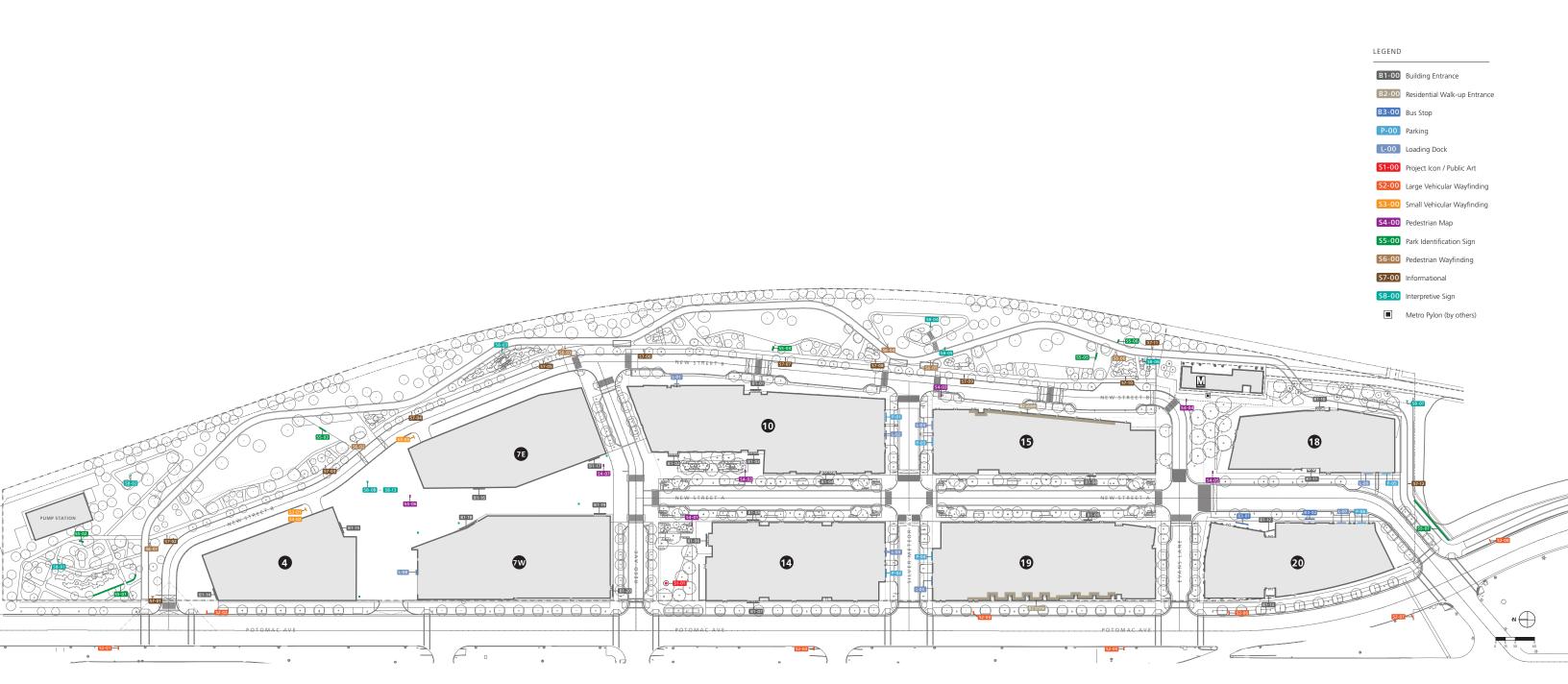




NORTH POTOMAC YARD INNOVATION DISTRICT I DESIGN EXCELLENCE PREREQUISITES + CRITERIA OVERLAY

NORTH POTOMAC YARD INNOVATION DISTRICT | DESIGN EXCELLENCE PREREQUISITES + CRITERIA OVERLAY

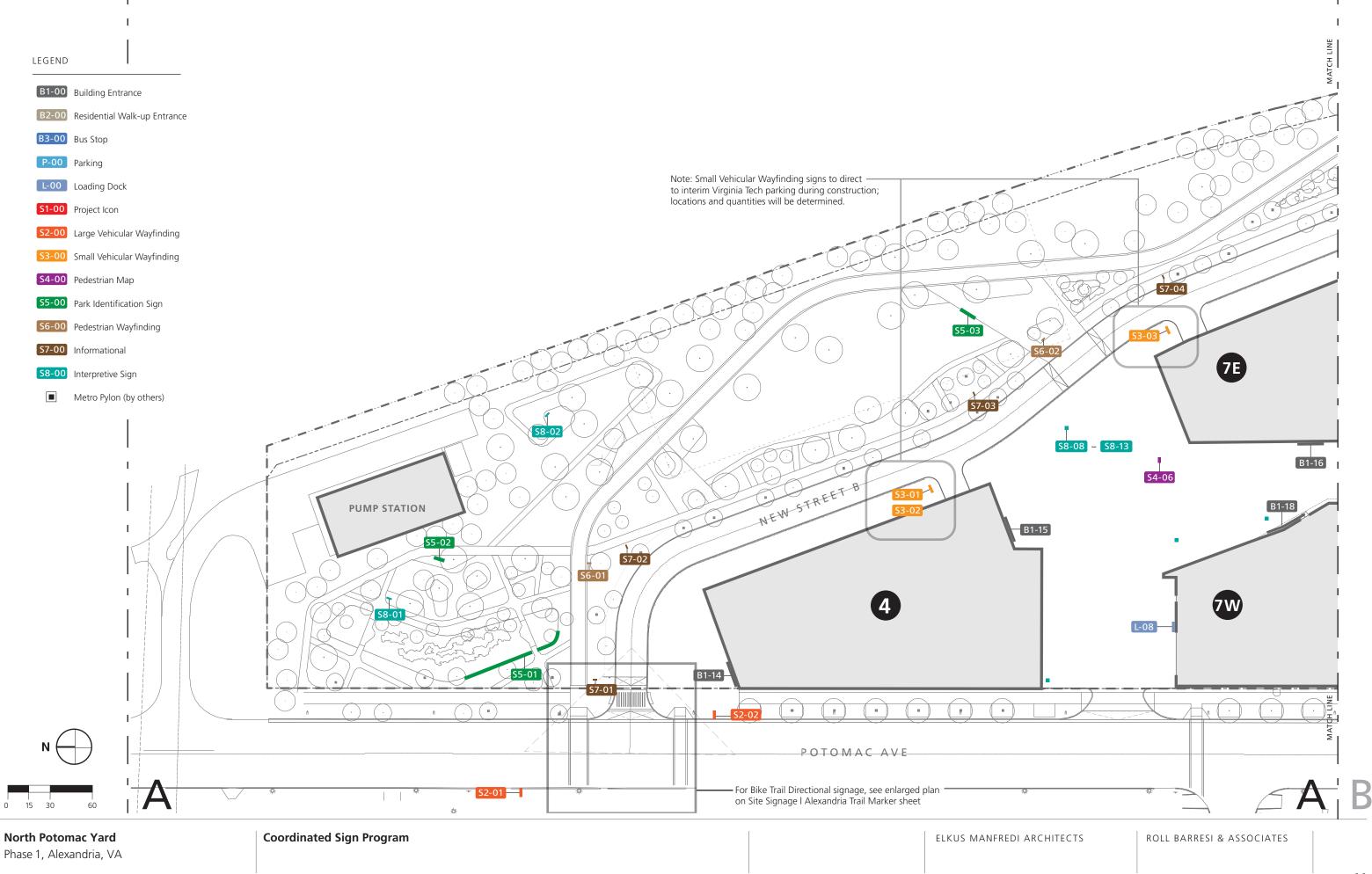
- high quality materials
- appropriate lighting
- clear, concise information

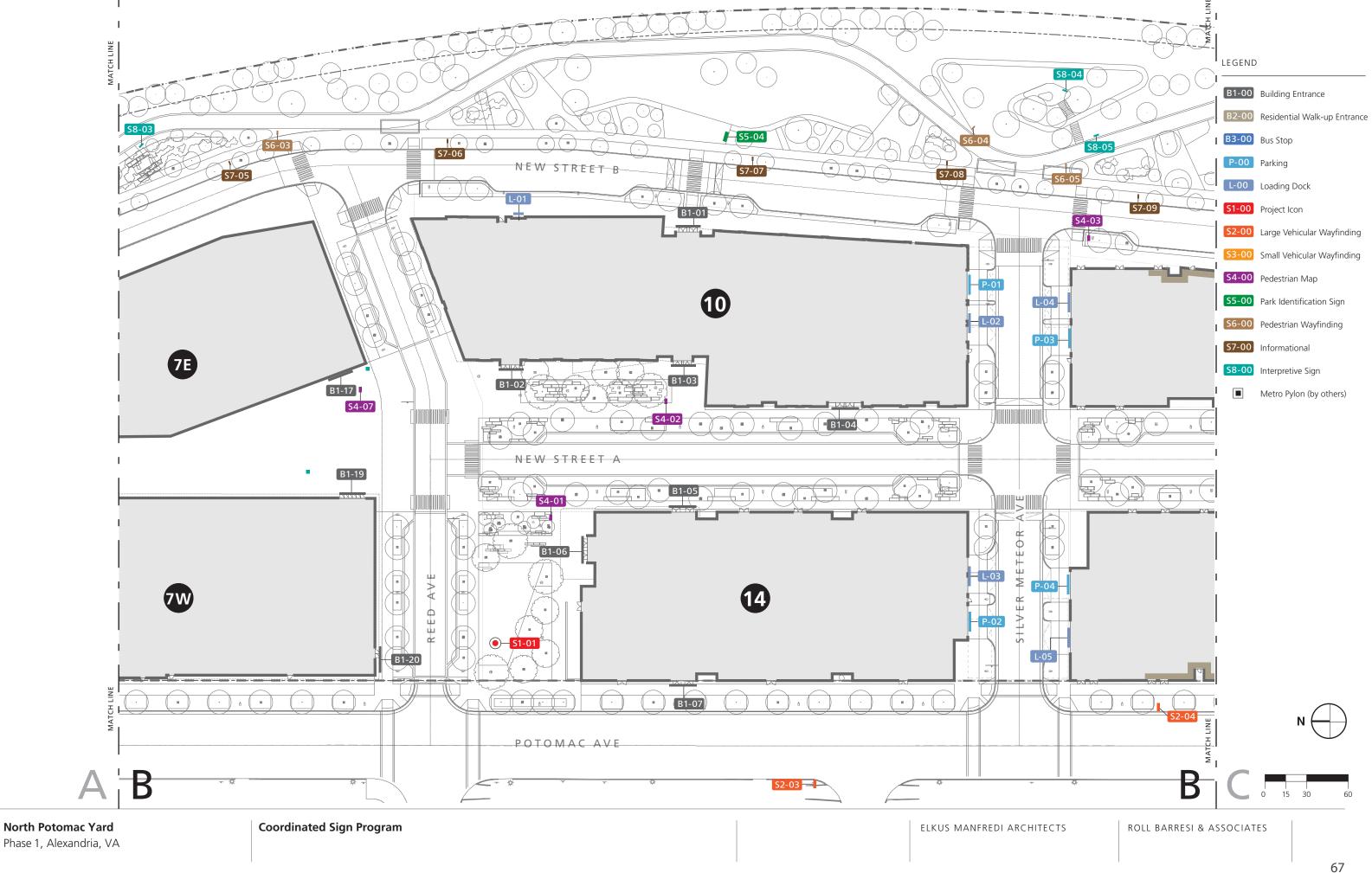


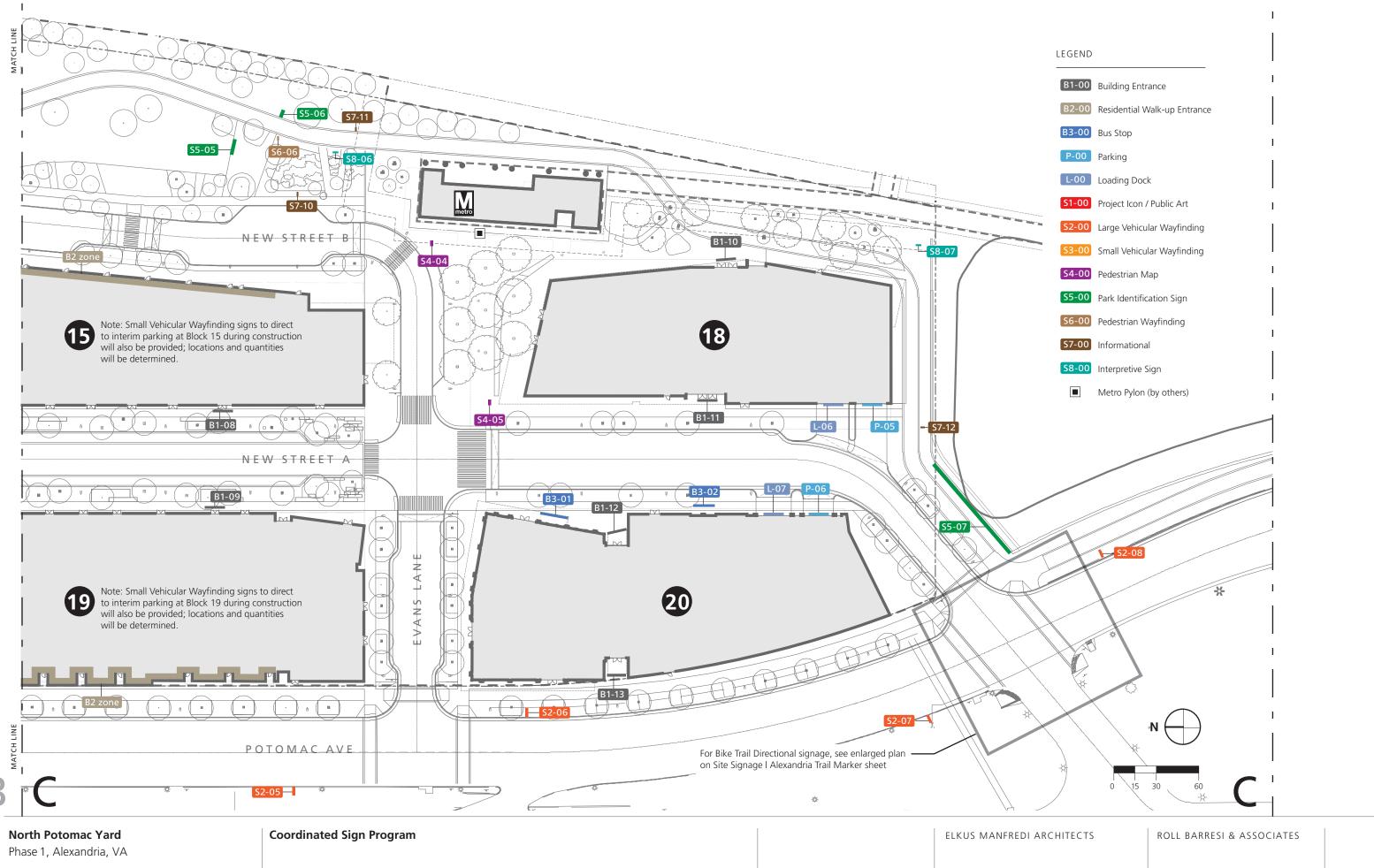
North Potomac Yard Phase 1, Alexandria, VA **Coordinated Sign Program**

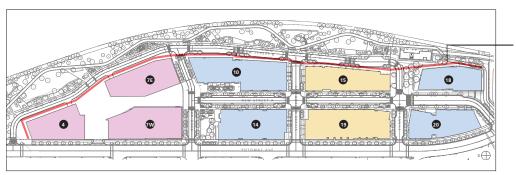
ELKUS MANFREDI ARCHITECTS

ROLL BARRESI & ASSOCIATES









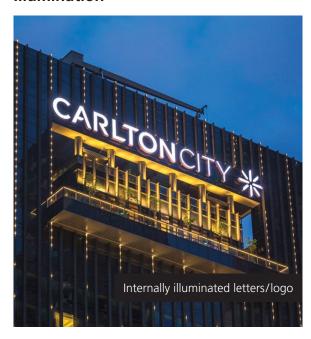
Building-Top Signs not allowed on frontages indicated by red line (signage not allowed above 25 FT per CDD conditions)

Key Plan

Individual letters / logo shapes



Illumination





Roof Line Sign may not extend above roof line Building-Top Sign 2 SF maximum per linear foot of frontage Scale: 1/8" = 1"-0" Note: illustrations are diagramatic;

final designs to be determined

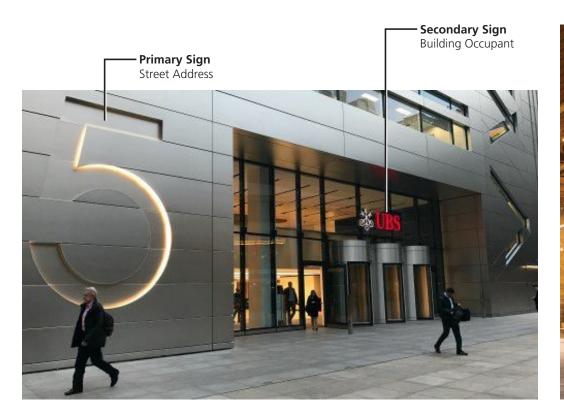
Building Signage | Building-Top

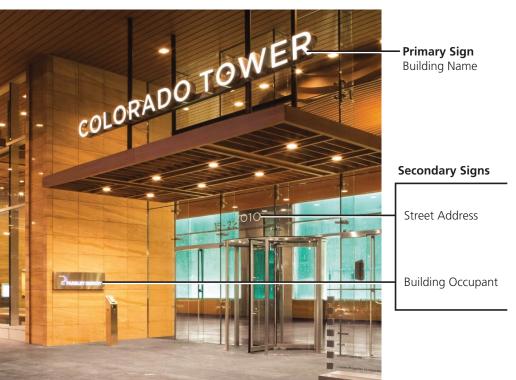
- Quantity: maximum of 2 per building tower, i.e. buildings with 1 tower are allowed 2 signs, buildings with 2 towers are allowed 4 signs
- Allowed for office, academic, or residential building uses
- Building-Top Signs may be located on any elevation except the east elevations of buildings 4, 7E, 10, 15, 18, and the north elevation of building 4.
- Final locations to be determined. Each building applicant shall develop a specific design and provide a detailed submittal for review and approval.
- Size: 2 SF maximum per linear foot of frontage except the north elevation of Building 7W is allowed a sign not to exceed 400 SF
- Height Above Grade: below the roof line; the sign may not be mounted to the roof and no part of the sign shall extend above the roof. The sign may not be mounted to the mechanical penthouse unless the mechanical penthouse is integrated within the building facade.
- Sign shall be composed of individual letters/logos on minimal support rails. The support rails shall be painted out to match the surrounding building material. Panel backgrounds are not allowed.
- Illumination: letters/logos may be illuminated with internal illumination, halo illumination or external spot lighting

North Potomac Yard Phase 1, Alexandria, VA Coordinated Sign Program

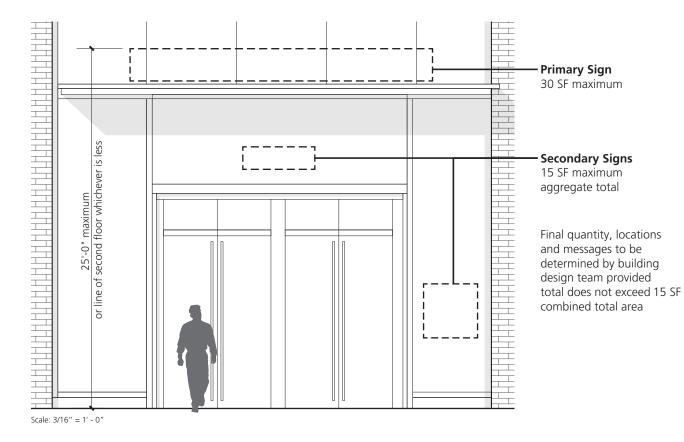
ELKUS MANFREDI ARCHITECTS

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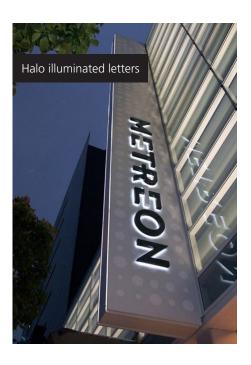
Primary Sign Building Name



Building Signage | Entrance

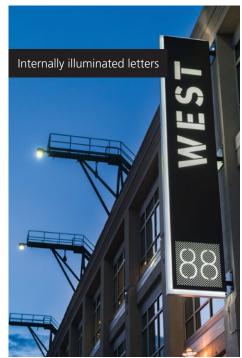
- Quantity: 1 Primary Sign per building main entrance; up to 2 Secondary Signs per entrance (locations B1-01 B1-20)
- Entrance Signage is located at the building entry to identify the building. As shown in the examples, the sign content shall be limited to the following:
 - Building occupant(s) name/logo (up to 6 occupant names total)
 - Building name
 - Building street address
- Establish a hierarchy between primary and secondary entrance signage:
 - Primary sign is a larger sign, generally located above the entrance, for distance vehicular and pedestrian visibility.
 - Secondary signage is smaller and located at pedestrian scale.
- Composition shall be carefully considered and coordinated with the architectural design of the entrance, including the materials and lighting.
- Size: 2 SF maximum per linear foot of frontage
- Window Signage at the building entrance may not exceed 35% of the glass area (in addition to the square footage allotment for other sign types).
- Height Above Grade: 25 FT to top of sign, or below the second floor line, whichever is less
- Illumination: Internal illumination, halo illumination and external spot lighting are allowed. Only letters may be illuminated; internally illuminated panel backgrounds are not allowed.

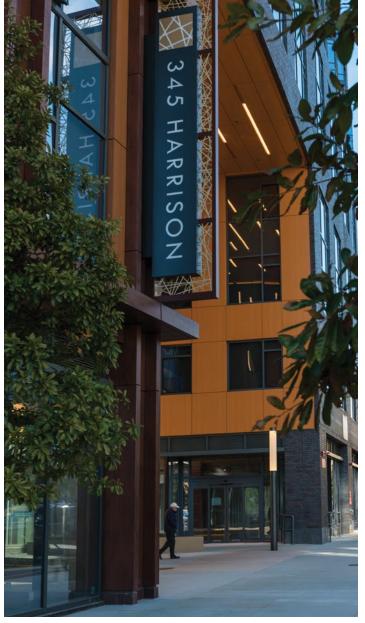
Building Signage | Entrance Blade

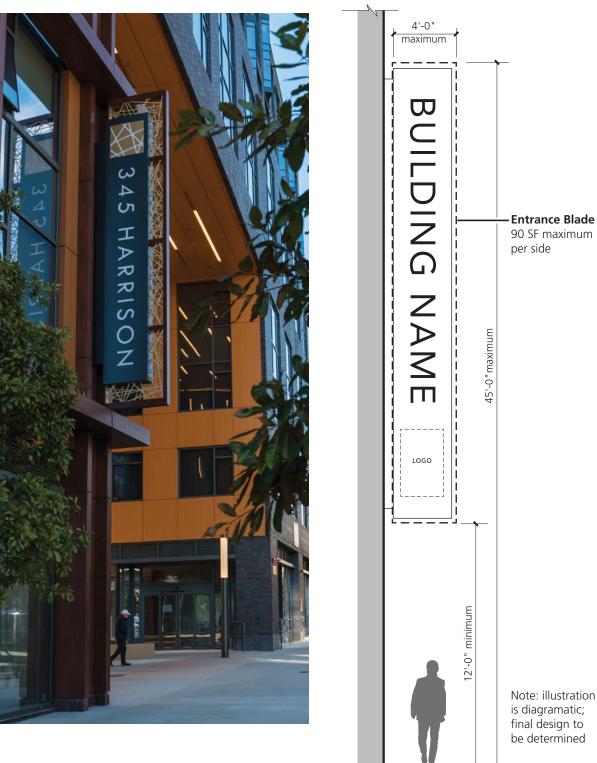












Scale: 3/16" = 1' - 0"

- Quantity: 1 per building main entrance (locations B1-01 – B1-20)
- Secondary Entrance Signage is also allowed with a Blade Sign, as described in the previous Entrance Signage pages. The Blade is a substitution for the Primary Entrance Sign.
- Special conditions for blade signs:
 - Architectural configuration of entrance
 - Accent element to view corridor
 - Streetscape variety
- Entrance Blade shall be 2-sided, mounted perpendicularly to the building facade.
- Maximum Projection: 4'-0"
- Maximum Size: 90 SF per side
- Height Above Grade: 45 FT maximum to top of sign; 12 FT minimum to bottom of sign; size and positioning of blade sign to align and be coordinated with architectural facade elements
- Entrance Blades above 25 FT to top of sign are not allowed on the east elevations of buildings 4, 7E, 10, 15, 18, and the north elevation of building 4, per CDD conditions.
- Illumination: internal illumination, halo illumination and external spot lighting are allowed. Only letters may be illuminated; internally illuminated panel backgrounds are not allowed.

Coordinated Sign Program

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ROLL BARRESI & ASSOCIATES

Blade Sign

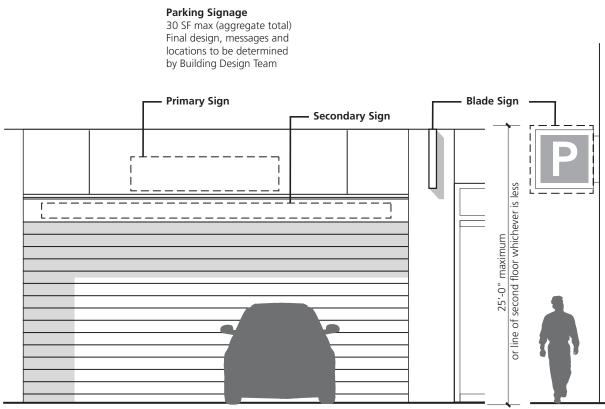






- Quantity: 6 (locations P-01 P-06) Maximum of 1 of each sign type (primary, secondary and blade) at each location
- Maximum Size: 30 SF aggregate total
- Height Above Grade: 25 FT to top of sign, or below the second floor line, whichever is less
- Illumination: internal illumination, halo illumination and external spot lighting are allowed. Only letters may be illuminated; internally illuminated panel backgrounds are not allowed.





Scale: 3/16" = 1' - 0"

North Potomac Yard Phase 1, Alexandria, VA

Blade Sign

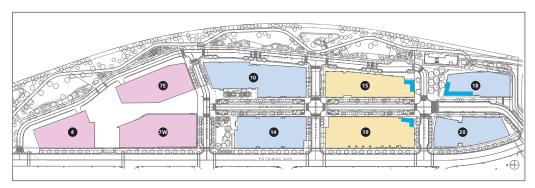
- Primary Sign

Coordinated Sign Program

Secondary Sign

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Key Plan

Potential Locations



Building Signage | Digital Display

The integration of innovative digital displays and LED media facades into the architecture of Blocks 15, 18 and 19 will create a unique sense of place and reinforce the theme of "science on display" throughout the district.

The thoughtful application of these progressive technological solutions will further enhance the vibrancy of the adjacent plaza and engage pedestrians entering and exiting the district through the metro station.

The displays will showcase the innovative science being taught and advanced at the Virginia Tech campus and surrounding office buildings as well as provide engaging artwork, community driven content, event information, and select advertisements relevant to those working or residing in the innovation district.





North Potomac Yard
Phase 1, Alexandria, VA

Coordinated Sign Program

ELKUS MANFREDI ARCHITECTS

Retail Signage | Sign Type Overview

Each retail location may choose from three sign types shown below. Detailed criteria for each sign type is included in the pages that follow.

Note: retail locations shown are for general reference and subject to charge.

Entrance Sign



The Entrance Sign is located at the main entrance, parallel to the building facade, and serves as the primary identification sign. It is typically located higher on the storefront and provides both vehicular and pedestrian visibility from a close distance, as well as from across the street.

Projecting Sign



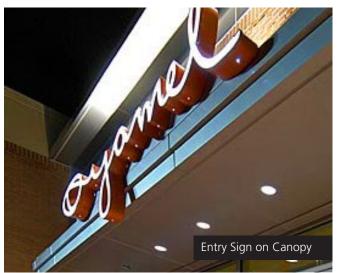
The Projecting Sign is a two-sided sign mounted at right angles to the building. This sign provides additional visibility for vehicles and pedestrians, adds texture and creates a more human scale to the streetscape.

Window Sign



Window Signage is applied to the surface of the storefront glass. Window Signage provides supplemental brand expression, activates the storefront glass, and draws the eye to the interior displays.











Retail Signage | Entrance

- Quantity: 1 per retail entrance Retail locations with more than one frontage (corner locations) are allowed 1 per elevation.
- Size: 2 SF maximum per linear foot of frontage (Note: Projecting Signs and Window Signage are not included in this square footage)
- Height Above Grade: 25 FT to top of sign, or below the second floor line, whichever is less
- Sign shall be composed of individual letters/logos attached to minimal support rails. All supports shall be painted out to match the surrounding material.
- Mounting conditions vary:
 - On canopy
 - Mounted to louver panel or mullions
 - Suspended from overhang
- Illumination:
 - External spot lighting
 - Halo illumination of letters
 - Internal illumination of letters

North Potomac Yard
Phase 1, Alexandria, VA

Coordinated Sign Program

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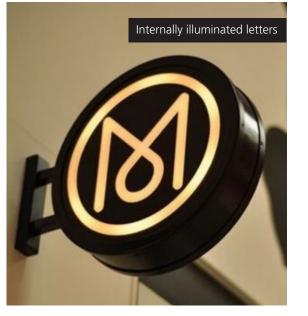






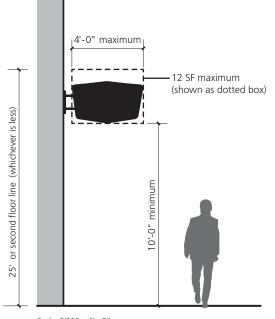




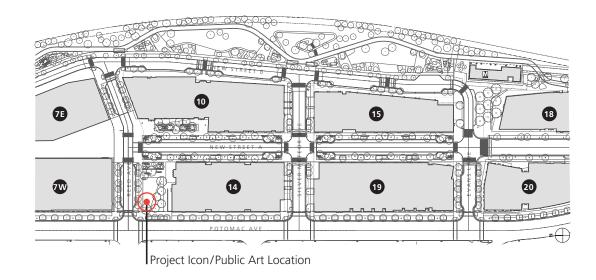


Retail Signage | Projecting

- Quantity: 1 per retial tenant Retail locations with more than one frontage (corner locations) are allowed 1 per elevation.
- Projection: 4 FT maximum
- Size: 12 SF maximum (in addition to square footage allotment for other retail sign types)
- Unique shapes and dimensionality are encouraged. At a minimum, the projecting sign panel shall have applied dimensional letters and logos, with minimal bracket to the building.
- Height Above Grade: 10 FT minimum to bottom of sign, to align with architectural elements
- Illumination:
- External spot lighting
- Halo illumination of letters
- Internal illumination of letters (sign background must be opaque)



Scale: 3/16" = 1' - 0"



Precedents - Sculptural Approach







Site Signage | Project Icon/Public Art

- Quantity: 1 (location S1-01)
- Size and design to be determined—pending development of project name and logo.
- Design development will be reviewed with the City.
- Illumination: to be determined as part of the design development process



North Potomac Yard Phase 1, Alexandria, VA **Coordinated Sign Program**

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Site Signage | Banners

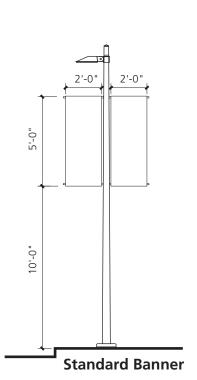
- Quantity and locations: to be determined
- Changeable, exterior grade banner material mounted to pole or light pole
- Maximum size:
 - Standard Banner 2'-0"W x 5'-0"
 - Potomac Ave Banner 2'-6"W x 8'-0"
 - Plaza Banner 2'-6"W x 12'-0"
- Illumination: ambient

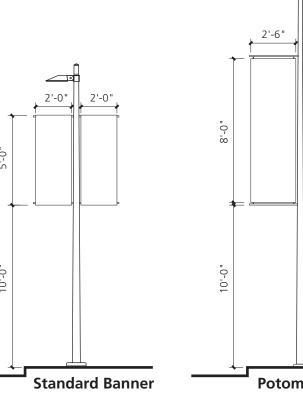


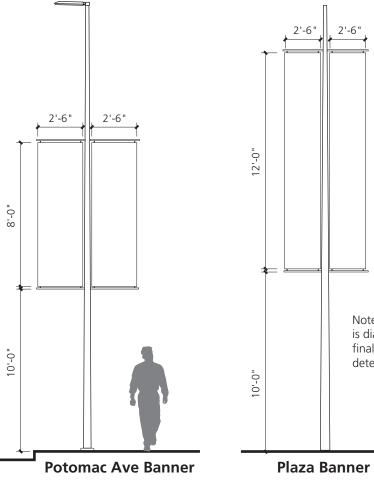












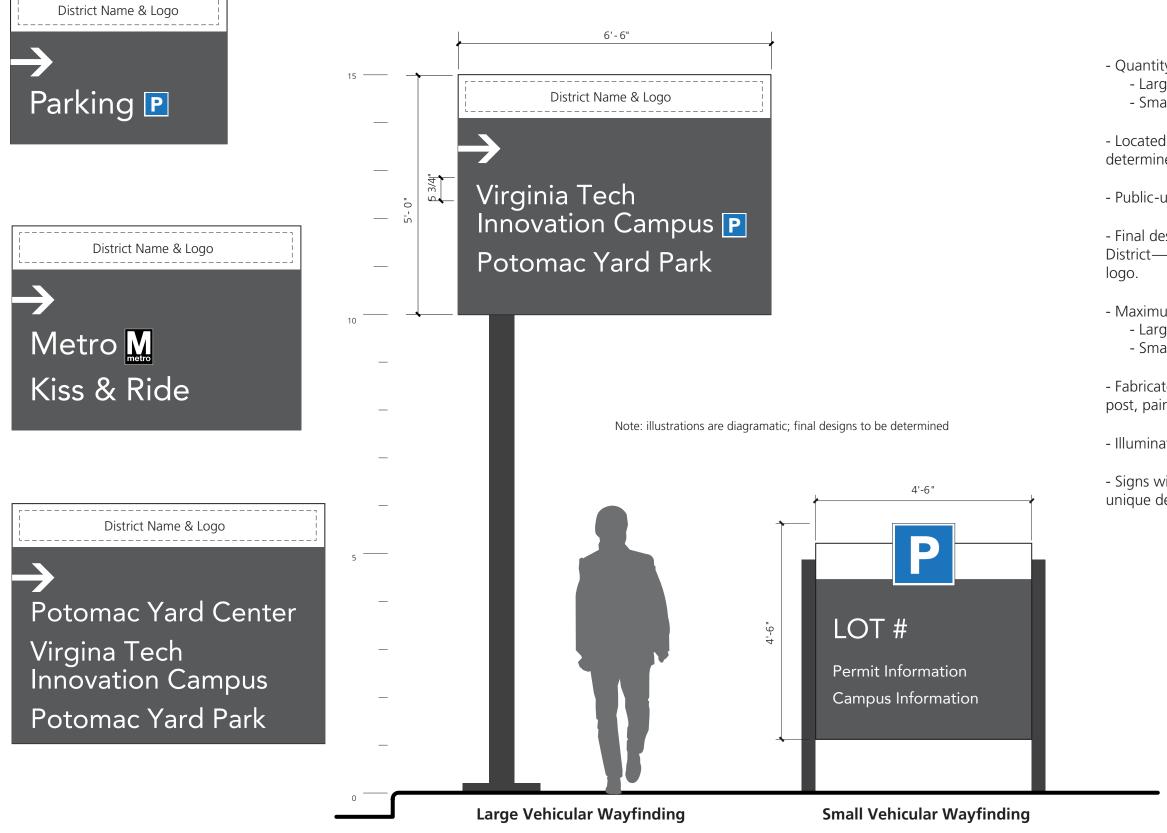
Scale: 3/16" = 1'-0"

North Potomac Yard Phase 1, Alexandria, VA **Coordinated Sign Program**

ELKUS MANFREDI ARCHITECTS

ROLL BARRESI & ASSOCIATES

Note: illustration is diagramatic; final design to be determined



Site Signage | Vehicular Wayfinding

- Quantity:
 - Large: 8, (locations S2-01 S2-08)
 - Small: 3 (locations S3-01 S3-03)
- Located at key decision points; final locations to be determined
- Public-use destinations; no business names
- Final design will be unique to NPY Innovation District—pending development of project name and
- Maximum Size:
 - Large: 6' 6"W x 5'-0"
 - Small: 4' 6"W x 4'- 6"
- Fabricated aluminum panel with steel or aluminum post, painted finish and reflective vinyl graphics
- Illumination: ambient
- Signs within the Virginia Tech campus may have a unique design.

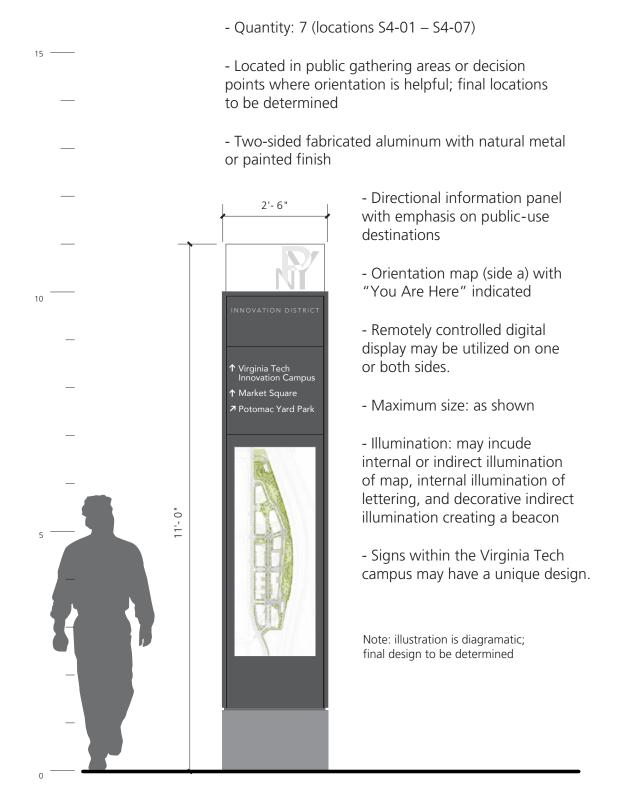
North Potomac Yard Phase 1, Alexandria, VA **Coordinated Sign Program**

ELKUS MANFREDI ARCHITECTS

Site Signage | Pedestrian Map Kiosk







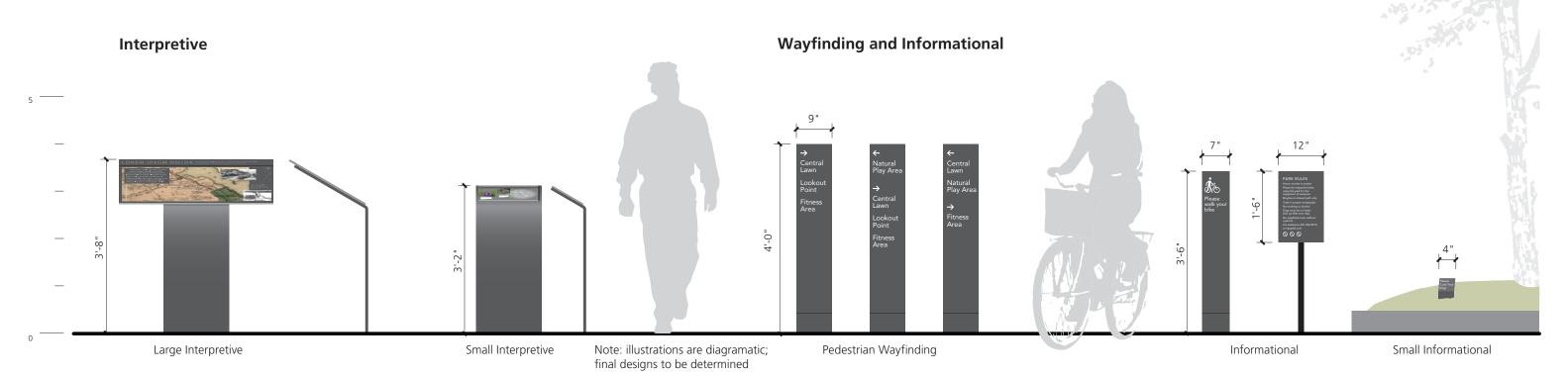
Digital map display

Site Signage | Pedestrian Signage









North Potomac Yard Phase 1, Alexandria, VA **Coordinated Sign Program**

ELKUS MANFREDI ARCHITECTS

NORTH POTOMAC YARD Sustainability



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I-3 Habitat

I-4 Heat Island



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II-2 Infrastructure

II-3 Ongoing Operations



III-1 Potable Reduction

III-2 Reuse Opportunities

III-3 Process Water



IV-1 Embodied Carbon

IV-2 Operational Energy

IV-3 Renewables

IV-4 Transportation



Health & Wellness

V-1 Materials V-2 Indoor Air Quality

V-3 Comfort

Resilience VI-1 Infrastructure

Appendices

A. Phase 1 Strategies

B. Sample LEED ND Scorecard

C. CDD and NPY SAP Pairing

D. Sample Plans

Image References

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Sustainability is Top-of-Mind

- Woven into North Potomac Yard fabric
- Conceptual design → operations

District-Wide and Building-Level

- Block strategies layer upon one another
- Site-wide performance

Time-Based

- Short-Term, Mid-Term, Long-Term strategies
- Targets to advance sustainability

Leadership in Sustainability

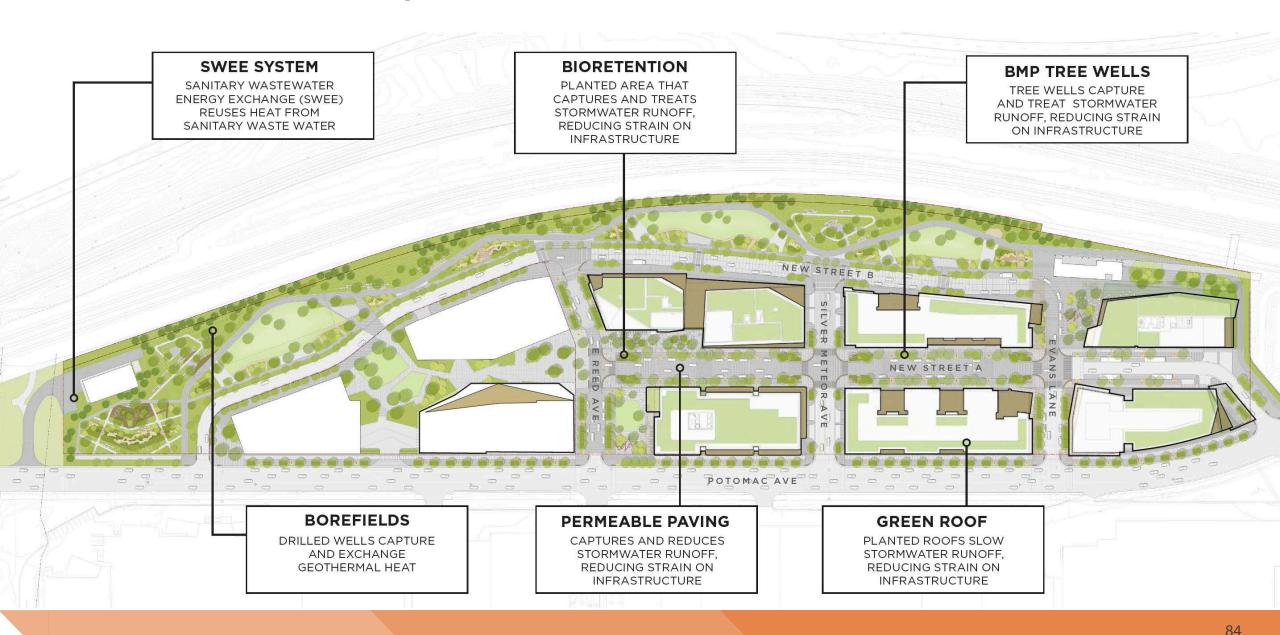
- Environmental Action Plan 2040
- NPY Small Area Plan
- 2019 Green Building Policy





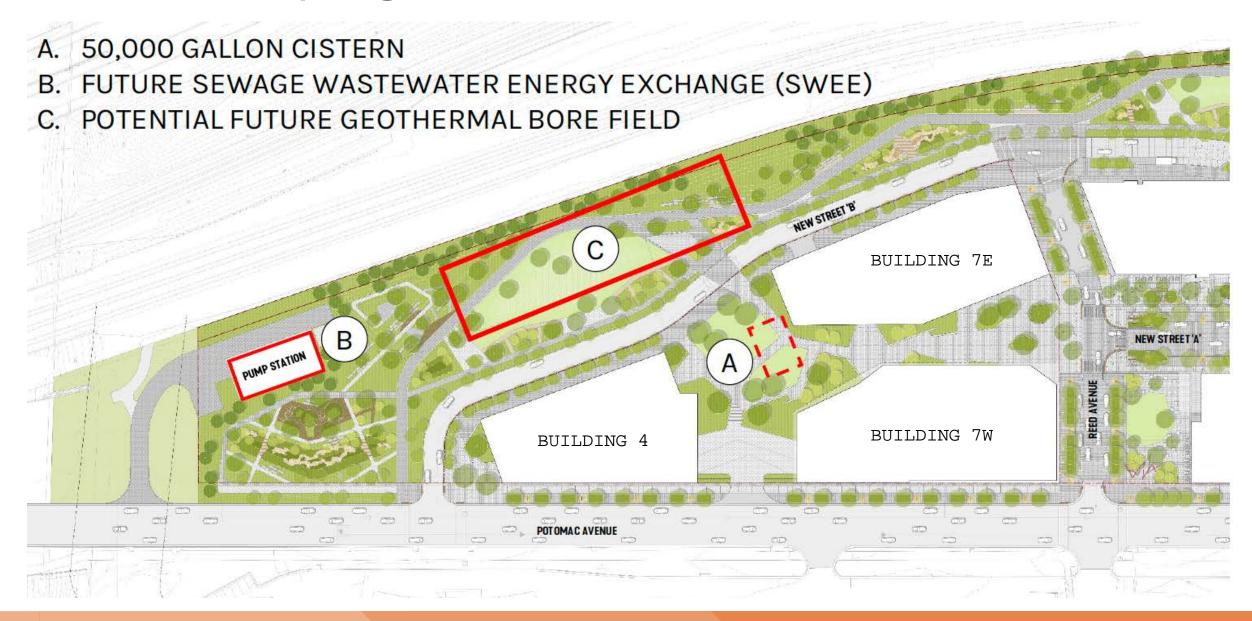
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Site-Wide Sustainability





Site Sustainability: Virginia Tech



COMPOSITE MASSING



Next Steps